PRODUCT CATALOG
WHY IS ENGINE OIL IMPORTANT?

Different engines have different needs. New technology, higher kilometers, different driving conditions and extended service intervals all have a real impact on engine oil demands. That’s why Valvoline products go beyond industry specifications to achieve maximum performance and provide superior protection.

The primary function of engine oil is to keep metal from touching metal. An engine contains hundreds of moving parts that must be protected. If metal surfaces come in contact, wear occurs and friction will increase dramatically. With friction comes heat, and heat causes more wear and distorts moving engine parts. The oil in your engine maintains a thin, lubricating film on all metal parts that lets them glide over each other, minimizing friction.

QUALITY THAT ENDURES

Dr. Ellis introduced a brand that represents innovation and quality. While much in the industry has changed, the passion and drive to advance engine solutions lives on in today’s high-performance Valvoline products.

WHAT MAKES VALVOLINE® THE NUMBER ONE LUBRICANT BRAND?
VISCOSITY GRADE

The viscosity grade—a measure of the oil’s ability to flow—is one of the most important factors when selecting an engine oil. The Society of Automotive Engineers (SAE) has devised a classification system based on viscosity measures. When the oil is warm, it will flow more easily than when the oil temperature is cold. The correct viscosity grade ensures that the oil is thin enough to flow around the engine during cold start-up yet thick enough to protect properly as the engine heats up during operation.

There are two types of SAE classifications: mono-grade and multi-grade. Mono-grade oil such as SAE 30 has certain cold weather limitations and may not flow freely enough to protect the engine in very cold weather conditions. Multi-grade oil such as SAE 10W-40 can be used across a broad range of temperatures. These oils are widely used because they allow easy starting and pumping at low temperatures, yet they remain thick enough at high temperatures to provide effective lubrication. The “W” stands for “winter” and indicates that the oil meets requirements for low-temperature operation.

THE RIGHT CHOICE

The wide range of advanced Valvoline engine oils not only features products that exceed the latest industry and vehicle specifications, but also provides products that deliver added performance, longer life and better protection for your vehicle.

MOTOR OIL SHOULD:

- Permit easy starting and protect the engine at start-up
- Seal tiny gaps between the piston rings and cylinder walls
- Cool moving engine parts by dispersing engine heat
- Keep engine surfaces clean
- Hold foreign deposits in suspension, away from engine parts
- Help prevent rust and corrosion

All oils will perform these functions to a certain degree, but Valvoline products are designed to offer the very best combination of performance and protection, regardless of the operating conditions. Valvoline products meet and exceed the performance requirements of vehicle manufacturers, making Valvoline engine oils the ideal way to protect your investment.

INDUSTRY CLASSIFICATIONS

In Europe, the specifications of the Association des Constructeurs Européens d'Automobiles (e.g., ACEA A5/B5 for gasoline and diesel engines, and ACEA C1, C2, C3, C4 for catalyst compatible engines) and the American Petroleum Institute (e.g., API SJ) are commonly used. These classifications signify that an engine oil meets the minimum standards set by the industry.

In addition to the ACEA and API performance requirements, certain motor oils meet special vehicle requirements such as the VW 502.00/505.00 for Volkswagen* engines or MB 229.3 for Mercedes-Benz* engines. All Valvoline products exceed the required ACEA and API classifications. In addition, several products in our ranges have been developed for specific vehicles/engine models. In these instances, Valvoline products exceed the vehicle manufacturers’ performance specifications.

To choose a quality oil compatible with your engine you should always read your owner’s manual. Your car manufacturer will quote ACEA and/or API classifications and will also mention if a specifically approved lubricant is necessary.

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Different engines have different needs

New technology, higher kilometers, different driving conditions and extended service intervals all have a real impact on engine oil demands. That’s why Valvoline products go beyond industry specifications to achieve maximum performance and provide superior protection. With Valvoline, innovative chemistry is linked with recognized brands making it easy to choose the right products.
Why is engine oil important?

The primary function of engine oil is to keep metal from touching metal. An engine contains hundreds of moving parts that must be protected if metal surfaces come in contact, wear occurs and friction will increase dramatically. With friction comes heat, which causes more wear and distorts moving engine parts. The oil in your engine maintains a thin, lubricating film on all metal parts that lets them glide over each other, minimizing friction.
SYNPOWER® ENGINE OIL
Added performance for high-powered engines

SynPower motor oils are formulated with fully synthetic base oils and the most advanced additive technology and provides superior performance, exceeding the latest performance standards of leading motor manufacturers. SynPower engine oils are designed to meet the demands of next generation technology engines with reduced fuel consumption, lower emissions and extended maintenance intervals. SynPower engine oils provide the ultimate in engine protection, even under the most extreme temperatures and conditions.

SynPower XL-III 5W-30
> For the latest VW*, Audi*, SEAT*, Skoda*, BMW* and Mercedes-Benz extended oil drain schedules. Prevents deposit build up in diesel particulate filters and reduces exhaust emission.

SynPower MST 5W-30
> Low SAPS (Sulphated Ash, Phosphorous and Sulphur) formulation prevents deposit build up in diesel particulate filters and reduces exhaust emission.

SynPower ENV C2 5W-30
> Low SAPS formula wear ACEA C2 is a recommended formulation, prevents deposit build up in diesel particulate filters and reduces exhaust emission.

Performance Levels/Approvals > SynPower XL-III 5W-30
Meets all the engine test requirements of ACEA C3
Meets all the engine protection requirements of ACEA C2, ACEA A3/B4-04, BMW LL-04, MB Approval 229.31 & 229.51
VW 504.00, 507.00

Performance Levels/Approvals > SynPower MST 5W-30
API SM/CF, ACEA A3/ B4-04, C3-04, MB Approval 229.31, 229.51, BMW LL-04, VW 502.00, 505.00, 505.01

Performance Levels/Approvals > SynPower ENV C2 5W-30
API SM/CF, ACEA A5/ B5-04, C2-04
Please check owners manual before use for the following:
Citroen*, Honda*, Peugeot*, Renault*, Toyota*

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SYNPOWER® ENGINE OIL
Added performance for high-powered engines

SynPower Engine Oils

- Extra ingredients reduce friction for maximum power output
- Provide improved protection for cold starts and at high temperatures
- Minimize sludge and deposits for superior engine cleanliness
- Ultimate wear protection over extended drain intervals
- Unique chemistry reduces emissions and fuel consumption
- Exceed current performance requirements of virtually all leading car manufacturers

SynPower MXL OW-30, 5W-30

- Specifically formulated for Mercedes-Benz and BMW LongLife service schedules

SynPower FE OW-30

- For all applications where SAE OW-30 is recommended with fuel economy properties
- Specifically recommended by Volvo*

SynPower OW-40, 5W-30, 5W-40

- Superior protection at startup, even under extreme conditions
- Suitable for extra long drain intervals

Performance Levels/Approvals > SynPower MXL 0W-30, 5W 30
API SL/CF, ACEA A3/83/B4, MB Approval 229.3, 229.5 (5W-30), VW 502.00/505.00/503.01, BMW LL-01

Performance Levels/Approvals > SynPower FE OW-30
API SL/CF, ACEA A1/B1-04, ACEA A5/B5-04, Volvo

Performance Levels/Approvals > SynPower OW-40, 5W-30, 5W-40
API SJ/SM/CF, MB Approval 229.1, 229.3, VW 502.00, 505.00, 505.01, BMW LL-98/LL-01, Porsche*, GM LL-A.025/B-025 (0W-40 & 5W-30), BMW LL-01 (5W-30)

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MAXLIFE® ENGINE OIL
Extra ingredients to extend engine life

The MaxLife range of engine oils are specifically formulated to meet the needs of high-kilometer engines. With special additives such as special seal conditioners and cleaning agents, MaxLife engine oils revitalize critical parts to help engines run a long, long time. Voted Product of the Year by Lubricant’s World*, MaxLife engine oil is endorsed by the leading independent European approval body TÜV Nord*. MaxLife engine oils provide a perfect solution for aftermarket service as the combined properties help slow the aging process, and maximize the performance and life of high-kilometer vehicles.

MaxLife Engine Oils

> Formulated for engines with over 100,000 km
> Special seal conditioners reduce oil consumption
> Extra cleaning agents reduce deposit formation
> Unique friction modifiers help prevent future wear
> Advanced additives minimize oil breakdown and burn-off
> Full synthetic formulation

MaxLife
Synthetic 5W-40

> Full synthetic engine oil
> Enhanced cold start protection

Performance Levels/Approvals >
MaxLife Synthetic 5W-40
API SL/CF, ACEA A3-02, B3-08
Issue 2, B4-02, API SM/CF,
ACEA A3/B4. Recommended
for use in applications where
VW 502.00, 505.00 or
MB Approval 229.1, 229.3
are specified

MaxLife
FE 5W-30

> Synthetic blend engine oil
> Improved fuel efficiency
> Meets Ford’s specifications

Performance Levels/Approvals >
MaxLife FE 5W-30
API SJ, ACEA A1-02, B1-02,
A5-02. Recommended for use
in applications where Ford
M2C-913 A or B are specified

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MAXLIFE® ENGINE OIL
Extra ingredients to extend engine life

MaxLife Advantages

> Reduces oil leaks - Unique conditioners help improve the elasticity of seals reducing oil leaks, oil consumption and deposit formation.
> Reduced oil consumption - Advanced additives minimize oil breakdown and burn-off. This reduces the need for oil top-up and the risk of engine damage from running with low oil levels.
> Superior wear reduction - Unique friction modifiers and anti-wear additives help prevent future component wear and breakdown.
> Reduction of oxidation - Extra detergents and dispersants prevent the formation of harmful varnish and sludge deposits that cause oil to thicken.

MaxLife
10W-40
> Synthetic blend engine oil
> TÜV Nord* Certified

MaxLife Diesel 10W-40
> Improved soot control for diesel engines

Performance Levels/Approvals
MaxLife 10W-40
API SL/CF, ACEA A3-02, B4-04, B3-98 Issue 2, TÜV Nord Certified

Performance Levels/Approvals
MaxLife Diesel 10W-40
API CF, ACEA B3-98 Issue 2, B4-04

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**DURABLEND® ENGINE OIL**

Extra durability for tough conditions

The superior additive technology used in DuraBlend engine oils offers advantages over other semi-synthetic and mineral engine oils. DuraBlend oil provides improved protection for engines operating under tough conditions—conditions that include cold and high temperatures, short journey cycles where full operating temperature is not reached, stop-start city driving with long periods of idling, and long-distance driving at high RPM. DuraBlend oil provides extra durability for a broad range of applications.

---

**DuraBlend MXL 5W-40**

- Meets long drain performance specified by Mercedes-Benz
- For direct injection diesel engines

**DuraBlend FE 5W-30**

- For maximum fuel efficiency
- Meets Ford’s specifications

**DuraBlend Diesel 5W-40**

- For all diesel engines, including unit injector diesel engines (TDI)
- Meets VW specifications

---

### Performance Levels/Approvals

**DuraBlend MXL 5W-40**

- API SJ/SL/CF, ACEA A3-02, B3-98 Issue 2, B4-02
- MB Approval 229.3, VW 502.00/505.00 (3/97)

**DuraBlend FE 5W-30**

- API SJ meets, ACEA A1-02, B1-02, A5-02, meets Ford M2C-913A + B

**DuraBlend Diesel 5W-40**

- API CF, ACEA B3/B4-04, MB Approval 229.1, Ford M2C-917A, VW 500.00, 505.00 (1/97), 505.01 (05)

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DURABLEND® ENGINE OIL
Extra durability for tough conditions

DuraBlend Engine Oils

> Extra synthetic components for added durability
> Enhanced ingredients for tougher conditions
> Improved wear protection for engines operating in severe conditions
> Advanced technology for superior cleaning
> Reduced friction helps reduce fuel consumption
> Exceeds performance requirements of virtually all the leading car manufacturers

DuraBlend
10W-40

> Synthetic blend engine oil

DuraBlend Diesel 10W-40

> For diesel engines
> Recommended for Direct Injection diesel engines

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VR1® RACING ENGINE OIL
Extra performance for racing conditions

With over 100 years of motor racing innovation and experience, VR1 Racing lubricants are the leading-edge of racing oil technology formulated to increase horsepower and protect high-performance engines during race conditions, providing the competitive advantage professionals and racing enthusiasts seek. VR1 Racing lubricants is the right choice for both road or track.

VR1 Racing Engine Oils
> Maximum performance and protection at high temperatures
> Superior friction reduction boosts horsepower output
> Extra anti-wear additives (ZDDP) provide ultimate wear protection
> Excellent oil film strength to improve durability
> Enhanced additives protect against deposits and fuel contamination

VR1 Racing
5W-50 Full Synthetic,
10W-60 Synthetic Blend,
20W-50 Mineral

<table>
<thead>
<tr>
<th>Performance Levels/Approvals</th>
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Turbo Engine Oils

- Excellent protection for all driving conditions
- Proven chemistry keeps engines cleaner
- Premium additives to prevent wear
- For all engines with or without turbo charging

Turbo 10W-40, 15W-40, 15W-50, 20W-50

- High performance conventional engine oil

Diesel Turbo 10W-40, 15W-40

- Added strength for diesel applications

Performance Levels/Approvals >
Turbo 10W-40
API SL/CF, ACEA A3/B3-04, VW 505.00, MB Approval 229.1

Performance Levels/Approvals >
Turbo Diesel 10W-40
API CF, ACEA B3-98, VW 505.00 (1/97), MB Approval 229.1

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For passenger cars and light trucks (vans) with gasoline and naturally aspirated diesel engines, Valvoline motor oils are formulated with enhanced additives to help keep engines clean and provide quality protection under all driving conditions. The balanced properties provide easy starting and optimum lubrication over a wide range of operating temperatures.

Valvoline Motor Oils

- Provides thorough anti-wear and corrosion protection
- Keeps the engine clean by protecting against sludge and varnish deposit formation
- Protects against oxidation and provides thermal stability
- For passenger cars and light trucks (vans) with gasoline and naturally aspirated diesel engines

**Motor Oil**

15W-40, 20W-50

Performance Levels/Approvals > Motor Oil 15W-40, 20W-50

API SG/CD

**Motor Oil**

Semi-Synthetic SAE 10W-40

Quality protection for all driving conditions

Performance Levels/Approvals > Motor Oil Semi-Synthetic 10W-40

API SL/CF, ACEA A3/B3, Volkswagen 505.00, MB Approval 229.1

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PROFLEET ENGINE OIL

Superior performance to reduce operating costs

Ultra High Performance Diesel (UHPD) oils are designed to provide superior lubricant performance for the latest and next generation low-emission diesel engines. The Profleet range of engine oils are developed to maintain outstanding cleanliness in both engines and exhaust after treatment systems. This range of engine oils also meet manufacturer’s extended drain requirements, to help lower overall operating costs.

ProFleet Engine Oils

> Fully synthetic motor oils
> Meets or exceeds leading engine manufacturers’ latest specification
> Long drain oil refreshment period
> Low emission with exhaust after treatment device protection
> Reduces oil consumption
> Better engine performance leading to improved fuel economy and lower general operating costs
> Emission control: Fulfills the requirements of the EU Euro I/II/III/IV/V emission standards

ProFleet LS 10W-40

> Suitable for use in high performance trucks, buses and industrial applications
> Lower SAPS formula content to protect the latest after treatment systems
> Compatible with EGR (Exhaust Gas Recirculation), SCR (Selective Catalytic Reduction) and DPF (Diesel Particulate Filter) systems
> Capable of providing long drain service intervals for trucks driving long distances (consult OEM recommendations)

Performance Levels/Approvals >
ACEA E6-04, E7-04, E4-99 Issue 3, DAF* MX engines, MAN 3477, 3277 for CRT, MB 228.5/228.51, MTU type 3, Renault RXD, Volvo VDS-3, Scania Low Ash

ProFleet 5W-30

> Formulated to provide extra long drain oil refreshment periods for trucks, buses and industrial engines
> Exceptional fuel economy
> Contains an ultra modern additive system providing protection and a clean engine over the whole oil drain period
> Compatible with EGR and SCR systems
> Unique formulation prevents deposit formation and protects against soot build-up
> Fulfills the UHPD recommendations of major engine builders

Performance Levels/Approvals >
ACEA E4-07, E7-04 Issue 2, API CF, MAN 3277, MB 228.5, Volvo VDS-3, MTU Typ 3, Scania LDF-2, Renault RXD/RLD-2, Deutz DQC III-05

ProFleet 10W-40

> Total protection over extended drain intervals
> Compatible with EGR and SCR exhaust after treatment systems
> Not for DPF systems

Performance Levels/Approvals >
ACEA E4-07, E7-04 Issue 2, API CF, MAN 3277, MB 228.5, Volvo VDS-3, MTU Typ 3, Scania LDF-2, Renault RXD/RLD-2, Deutz DQC III-05

ProFleet GEO 15W-40

> For truck engines running on natural gas or liquid petroleum gas

Performance Levels/Approvals >
MAN 3271-1, MB 226.9

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*Trademark owned by a third party
ALL-FLEET® ENGINE OIL
Extra durability for long drain performance

Developed for a wide range of heavy duty engines, All-Fleet engine oils combat the higher levels of contamination and soot created in extended and long drain operation to maintain advanced levels of engine protection and cleanliness. The All-Fleet range of Super High Performance Diesel (SHPD) engine oils exceeds required specifications, and helps fleet owners optimize engine life cycle cost and performance.

All-Fleet Engine Oils

> Advanced additive technology reduces oil consumption and component wear
> Outstanding protection over long-drain intervals
> Superior soot control and corrosion protection
> The optimum choice when maximizing life cycle costs
> Compatible with EGR and SCR systems

All-Fleet Extreme 10W-40

> Synthetic technology
> Improved thermal and oxidation stability
> Easy start-ups under very cold circumstances
> Compatible with EGR and SCR systems

Performance Levels/Approvals >
All-Fleet Extreme 10W-40
ACEA E7-04 Issue 2, E5-02, E3-96/4, API CI-4, CH-4, CG-4, MAN 3275, MB 228.3, Volvo VDS-3, Renault RLD/RLD-2, Cummins 20.076/77/78, Mack ED-M+, DHD-1, MTU Typ 2, Caterpillar ECF1.2, Deutz DQC III

All-Fleet Extra 15W-40, 20W-50

> Mineral base provides proven benefits at optimum costs
> Fulfills the requirements of the EU Euro IV standards for truck engines
> Maximizes engine durability
> Compatible with EGR and SCR systems

Performance Levels/Approvals >
All-Fleet Extra 15W-40
ACEA E7-04, E5-02, E3-96/4, API CF-4, CG-4, CH-4, CI-4, Cummins 20.076/77/78, MB 228.3, Volvo VDS-3, MAN 3275, Mack ED-M plus, Global DHD-1, Renault RVI/RLD-2
All-Fleet Extra 20W-50
ACEA E3-96/4, API CF-4, CG-4, MAN 271, Mack EO-M+

All-Fleet 15W-40

Performance Levels/Approvals >
All-Fleet 15W-40
ACEA A2-96, B3-98/2, E2-96/4, API CF-4, CG-4, CH-4, MB 228.1, 229.1, VW 505.00, MAN 271, Volvo VDS, Mack ED-L+

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</table>
**VALVOLINE® HD ENGINE OIL**
Proven performance for heavy-duty applications

Valvoline’s HD engine oil range provides unrivalled value across a variety of commercial vehicle and off-highway applications with a broad range of available viscosities. Valvoline HD engine oils are mineral based, with advanced additive technology and backed by millions of kilometers of proven performance in combating sludge build-up and component wear to give high-quality performance at an economical operating cost.

Valvoline HD Multi-Grade Engine Oils

> Unrivalled value and protection for mixed fleet applications
> Advanced chemistry reduces friction and engine component wear
> Additive technology prevents black sludge and maintains engine cleanliness
> Suitable for on-road and off-highway applications
> Recommended for use in high and low speed four-stroke diesel engines
> Suitable for industrial engines

Valvoline HD Mono-Grade Engine Oils

> Designed for use in gasoline and diesel engines where a single grade motor oil is recommended by the engine manufacturer.
> Specially engineered for use in service fleets where it helps prevent formation of sludge, caused by frequent stop-and-go driving conditions.
> Can also be used in some cases as hydraulic oil, where specified by the manufacturer.

**Valvoline HD**
15W-40, 20W-50, 10W, 30, 50

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|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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**PREMIUM BLUE® ENGINE OIL**

The technology behind Premium Blue engine oils was developed in partnership with Cummins Inc., the world's largest producer of commercial diesel engines above 50 horsepower. By combining the innovation and proven performance of premium Valvoline lubricants with Cummins' unparalleled expertise in diesel engines, we have taken engine design and lubricant technology to new performance levels. This partnership continues to create high-performance products such as Premium Blue engine oils, which are designed for extended engine life and increased protection in all heavy duty diesel applications.

<table>
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<tr>
<th>Premium Blue 15W-40</th>
<th>Premium Blue Extreme 5W-40</th>
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</thead>
<tbody>
<tr>
<td>&gt; Premium Blue engine oil is exclusively recommended and endorsed by Cummins Inc. Premium Blue oil is designed to provide advanced lubricant performance in modern, low-emissions diesel engines, including those with cooled Exhaust Gas Recirculation (EGR). It is a higher Total Base Number (TBN) product designed for the latest diesel engine specification from API, ACEA, and OEMs (including Cummins) that allow for higher sulfated ash products. The advanced technology of Premium Blue oil offers a long-life, extended drain capability through a balanced formulation that helps maximize engine durability.</td>
<td>&gt; Premium Blue engine oil is formulated with high-quality synthetic basestocks and a boosted additive system to meet the stringent demands of modern diesel engines including EGR (Exhaust Gas Recirculation) and DPF (Diesel Particulate Filter) control systems, operating under standard and extended service intervals. Premium Blue oil provides fuel economy benefits for on-highway Class 8 trucks (weight &gt; 15,000 kg). Statistically significant test results find up to 3% maximum improvement in fuel economy using SAE J1321/TMC RMP 1103, Type II techniques tested by independent laboratory.</td>
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**Performance Levels/Approvals >**

Premium Blue 15W-40


Premium Blue Extreme 5W-40

API CI-4, API CI-4 Plus, API CI-4, API CH-4, CF-4, CF/SM, ACEA E9-08, ACEA E7-08, Cummins CES 20081, Mack EO-0 Premium Plus, Volvo VDS-4, Detroit Diesel 93K218, Caterpillar ECF-3.

**Premium Blue GEO 15W-40**

> Premium Blue motor oil is designed for dedicated natural gas engines for vehicular applications. This product is suitable for gas engines where the OEM allows the use of engine oils with a sulphated ash content of < 1% wt. OEM specifications should be checked before use. Valvoline Premium Blue GEO keeps the engine clean and protects against corrosion and wear, and has the ability to neutralize acids and resist oxidation and nitration which helps to prevent oil thickening. Premium Blue GEO 15W-40 is a high-quality mineral motor oil with an advanced additive system for a longer engine life.

**Performance Levels/Approvals >**

Premium Blue GEO 15W-40

API CD, Cummins 20074, Caterpillar*, Detroit Diesel*, John Deere*

**Premium Blue GEO-LA 40 /GEO-MA 40**

> Premium Blue universal motor oil is designed for stationary engines running on natural gas and bio-gas, and is suitable for gas engines where the OEM allows the use of engine oils with a sulphated ash content of < 1% wt. OEM specifications should be checked before use. Keeps the engine clean and protects against corrosion and wear, and also has the ability to neutralize acids, and resist oxidation and nitration, which helps to prevent oil thickening. Premium Blue GEO-LA /GEO MA 40 are high-quality mineral motor oils with an advanced additive system for a longer engine life.

**Performance Levels/Approvals >**

Premium Blue GEO-LA 40 /GEO-MA 40

API CD, Cummins QSV 81/91 series, Caterpillar, Dresser-Rand*, Waukesha*, API CF

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2-STROKE MOTORCYCLE OILS

Added performance for high-powered engines

2-stroke (2T) motorcycle oils are designed to reduce smoke and provide superior protection under the most severe conditions. Using premium base oils and state-of-the-art additive technology, Valvoline 2-stroke motorcycle oils provide excellent protection against wear and corrosion, and can be used in motorcycles, go-karts and all other 2T engines.

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<td>Full synthetic low-smoke motor oil for all 2-stroke motorcycle engines</td>
<td>API TC, JASO FD, ISO L-EGD</td>
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<tr>
<td>DuraBlend® 2T</td>
<td>High performance semi-synthetic low smoke motor oil for all 2-stroke</td>
<td>API TC, JASO FD, ISO L-EGD</td>
</tr>
<tr>
<td>DuraBlend Scooter 2T</td>
<td>High performance semi-synthetic low smoke motor oil for all 2-stroke</td>
<td>API TC, JASO FD, ISO L-EGD</td>
</tr>
<tr>
<td></td>
<td>provides optimum performance, helps keep the engine clean and prevents</td>
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<tr>
<td></td>
<td>scuffing and ring sticking</td>
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<td>Use fuel/oil ratios as specified by the engine manufacturer up to a</td>
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2-STROKE MOTORCYCLE OILS
Added performance for high-powered engines

Motorcycle Oil 2T
> For use in both oil injection and pre-mix systems
> Formulated to reduce smoke
> Ideal for smaller and older motorcycle engines
> Prevents spark plug fouling and carbon deposits helping to keep the engine clean
> Pre-diluted for easier mixing
> Suitable for both injector and pre-mix applications
> Use fuel/oil ratios as specified by the engine manufacturer up to maximum of 50:1

Competition Oil 2T
> Not designed for road racing or injection systems
> Suitable for motocross, go-karts and standard 2-stroke engines
> Not pre-diluted
> Use fuel/oil ratios as specified by the engine manufacturer

Racing 2T
> Full synthetic
> Specially developed and tested to meet severe racing circumstances
> No throttle sticking if used in rainy weather
> Not pre-diluted
> Not for use in oil-injection systems
> Do not mix with other lubricants

Performance Levels/Approvals
Motorcycle Oil 2T
API TC, JASO FB, ISO L-EGB

Competition Oil 2T
API TC SAE 50

Racing 2T
Full synthetic

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4-STROKE MOTORCYCLE OILS

For excellent protection in the severest conditions, Valvoline 4-stroke (4T) motorcycle oils use specially selected base oils for a quick cold start, plus optimal protection and lubrication across a wide temperature range. They are also wet clutch compatible.

SynPower® 4T
10W-40

- High-performance fully synthetic motor oil for all 4-stroke motorcycle engines
- The product is wet clutch compatible, and is recommended for Japanese and other motorcycles where API SG or JASO MA fluids are specified
- Gives a quick cold start and smooth lubrication, even under very cold weather conditions

SynPower Scooter 4T
5W-40

- Fully synthetic motor oil for all 4-stroke scooters and light motorcycle engines
- The product is recommended for all scooters and light motorcycles
- Gives a quick cold start and smooth lubrication, even under very cold weather conditions
- Wet clutch compatible

Performance Levels/Approvals:

SynPower 4T 10W-40
API SG, JASO MA

SynPower Scooter 4T 5W-40
API SJ, JASO MA, JASO Wet Clutch test T904

Material Number Table

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</table>
4-STROKE MOTORCYCLE OILS

DuraBlend® 4T 10W-40, 20W-50

- High-performance semi-synthetic motor oil for all 4-stroke motorcycle engines
- Wet-clutch compatible
- Recommended for Japanese and other motorcycles where an API SG or JASO MA fluid is specified
- Viscosity SAE 10W-40 is recommended for quick cold starting

Motorcycle Oil 4T 10W-40

- Premium multi-grade motor oil specially formulated to provide year-round protection for 4-stroke motorcycle engines
- Wet clutch compatible
- Viscosity SAE 10W-40 is recommended for quick cold starting

Motorcycle Fork Oil

- Competition specially formulated to provide superior performance in motorcycle front forks and shock absorbers, for both on-road and off-road usage
- Offers excellent protection against oxidation, corrosion, foaming and wear
- Can be used year round

Performance Levels/Approvals >

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<tr>
<th>DuraBlend 4T 10W-40</th>
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Today’s gearboxes and transmissions are designed to perform at higher levels than ever before. This in turn demands that high quality and increasingly complex gear lubricants must be used. Valvoline gear oils have been developed following many years of research, development, and field experience. The result is a range of oils that are designed to meet the extreme performance demands of today’s gearboxes and transmissions.
SynPower gear oils are high-performance fully synthetic lubricants specially formulated to meet the needs of modern as well as conventional gear boxes and transmissions of trucks, buses and other HD applications. Formulated with the most advanced additive technology SynPower gear oils provide outstanding thermal stability over a wide temperature range, improve easier shifting at low temperatures and offer superior protection against wear and corrosion.

**SynPower Gear Oil TDL 75 W-90**
- Total Drive Line Oil capabilities - API MT-1 GL-3/4/5 specification
- Specially formulated for superior extreme temperature service
- Provides smooth shifting of gears
- Reduction in oil leakage due to improved seal protection

**SynPower Gear Oil GL-5 75W-140**
- Fully synthetic gear oil
- Specially formulated for extreme temperature and service protection
- Excellent protection against wear and corrosion
- Supports longer drain intervals

**Performance Levels/Approvals > SynPower TDL 75W-90**
- API GL-3/4/5, API MT-1, ZF TE-ML-02/05/07/8/12/16/17, MIL-PRF-2105 E, MAN 3343 SL, MAN 3343 Typ S, MAN 341 Typ E3, Scania STO:1

**Performance Levels/Approvals > SynPower GL-5 75W-140**
- API GL-5, Scania STO:1, MIL-PRF-2105E

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</table>
**DURABLEND® GEAR OIL**

DuraBlend gear oils are specifically designed to provide boosted protection and high performance, at both high and low temperatures. DuraBlend oils are formulated with a unique blend of synthetic and premium base oils with an advanced additive system to provide superior extreme pressure benefits and extra durability for tough driving conditions. Recommended for cars, trucks and buses.

---

**DuraBlend Gear Oil GL-5 LS 75W-90**
> For use in all limited slip, hypoid and other gears where API GL-5 type lubricant is specified
> Special additives reduces noise in differentials
> Protects against wear under all conditions

**DuraBlend Gear Oil GL-5 75W-90**
> For use in all hypoid transmissions and transaxles where API GL-5 gear oil is specified
> Provides excellent protection under all weather conditions
> Protects against rust and corrosion

**DuraBlend Gear Oil GL-4 75W-90**
> For use in all transmissions and transaxles where API GL-4 gear oil is specified
> Provides enhanced protection and lubrication for smooth running gear operation
> Protects against rust and corrosion

---

**Performance Levels/Approvals**

- **DuraBlend GL-5 LS 75W-90**
  - API GL-5 LS, MIL-L-2105D

- **DuraBlend GL-5 75W-90**
  - API GL-5, MIL-L-2105D

- **DuraBlend GL-4 75W-90**
  - API GL-4, MIL-L-2105

- **DuraBlend GL-4 75W-80**
  - Renault, Peugeot, Citroën, MAN 341 TL, 341 Typ Z-3, Volvo 97305, Eaton*, ZF-TE-ML 02D

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**Material Number Table**

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*Trademark owned by a third party*
HIGH-PERFORMANCE GEAR OIL

High Performance (HP) gear oils are formulated with premium base stocks and additives to provide excellent gearbox performance and protection. They offer smooth running gear operation under various temperature conditions, as well as provide protection against wear and corrosion. Recommended for use in cars, trucks and buses.

**HP Gear Oils**

- Formulated with a special additive system to provide optimal performance and protection
- Offers smooth shifting under various temperature conditions
- Protection against wear and corrosion

---

### High Performance

**GL-5 LS**

**80W-90**

- For limited slip axles
- Special additives reduce noise in limited

**GL-5**

**80W-90/85W-140**

- For rear axles and transaxles

**GL-5 PC**

**75W-80**

- Specially developed to meet the latest Peugeot, Citroen, Renault requirements for manual transmissions

---

### Performance Levels/Approvals

- High Performance GL-5 LS 80W-90
- High Performance GL-5 80W-90/85W-140
- High Performance GL-5 PC 75W-80

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### Material Number Table

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</table>
HIGH PERFORMANCE GEAR OIL

**HP Gear Oil GL-4 80W-90, 80W**

- For use in most types of manual transmissions and transaxles with API GL-4 specification
- Offers smooth running gear operation under various temperature conditions
- Protects against rust and corrosion

**HP GL-5 Plus 80W-90**

- Prevents component failure, reduction of film thickness, changes to low-temperature performance, deposit formation, and creation of harmful acidic components and seal leakage

**DT Transmission Oil 10W, 30, 50**

- A heavy duty lubricant designed and recommended for applications requiring oils meeting the Caterpillar TO-4 or the Allison C-4 specifications
- Formulated from premium base stocks and a select additive system to meet the challenging demands of modern equipment
- Designed for use only in transmissions and drive trains, and should not be used as an engine oil. Suitable for Caterpillar’s road building equipment with wet brakes.

### Performance Levels/Approvals

**High Performance Plus GL-5 80W-90**
- API GL-5, MB Approval 235.20, MAN 342 ML, 342 Typ M-2, Scania 1:0; ZF TE-ML 07A, 08

### Material Number Table

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Higher kilometer transmissions have different needs. As automatic transmissions age, seals can harden and crack causing leaks. Furthermore, deposit and varnish build-up can cause wear, slippage and rough shifting. MaxLife ATF is the only ATF formulated for vehicles with over 100,000 kilometers. The advanced formulation helps keep the transmission functioning properly and enhances the performance and life of high-kilometer transmissions.

**MaxLife ATF Advantages**

- Conditions automatic transmission seals to prevent leaks
- Reduces varnish formation and wear
- Improves and maintains smooth shifting longer than conventional ATF’s
- Provides excellent flow at low temperatures and greater film protection at high temperatures
- Maximizes the life of higher-kilometer automatic transmissions

---

**Performance Levels/Approvals > MaxLife ATF**

GM Dexron III, IIE, IID; Ford Mercon, Mercon V; Allison C-4, TransSyn*, TES-295, BMW LT 71141, LA 2634, MAN 339 type F, Mazda*, Mini Cooper CVT 799, Toyota T, T-11, T-IV; Chrysler ATF+3; Mitsubishi Diamond SP-II, SP-III; Honda ATF-Z1, MB Approval 236.1, 236.2, 236.6, 239.8, 239.9, 236.11; Nissan D,J,K,-matic, Volvo 1161521, 1161540; Audi G-052-0250-A2, GM9986195, 2F-TE-ML-14B, 16L, 17C, JWS 3309, Voith G 607, 1363; Kia SP-II, SP-III; Suzuki*, VW TL 52162

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**Material Number Table**

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AUTOMATIC TRANSMISSION FLUIDS

ATF Dex/Merc

- Specially formulated to meet the needs of today's more compact transmissions, running at higher operating temperatures and with electronic control
- Recommended for use in automatic transmissions, where the manufacturer prescribes a GM Dexron II E, Dexron III or Ford Mercon fluid

ATF Type D

- Recommended for use in all automatic transmissions where GM Dexron II, Dexron IID, MB 236.6, ZF TE-ML-04D/11A/14A/17C, and MAN 339 Z-1, V-1 (former Type D) fluids are specified
- Can also be used where an ATF Type A is specified, but it is not recommended for Ford M2C-33F/G applications
- Excellent low-friction properties, even under very cold conditions

Performance Levels/Approvals > ATF Dex/Merc
GM Dexron III G 34221, Ford Mercon M 020602, Allison C-4, Nissan, Caterpillar TO-2

Performance Levels/Approvals > ATF Type D
GM Dexron IID, Ford Mercon, MB 236.6, BMW Group 24, ZF TE-ML03D/04D/11A/14A/17C, Voith HSS 633533 (former G 607), Allison C-4, MAN 339 Z-1, V-1 (former type D), Caterpillar TO-2

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<td>VE14846</td>
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The Valvoline range of greases includes products specially designed for use in automotive, heavy duty, marine and industrial equipment. Developed using the highest quality base stocks and the latest additive technology, Valvoline greases provide superior lubrication properties. Unique mixed-complex soap structures are used in Sienna grease and Dipper stick grease, to provide the ultimate protection against wear and corrosion, even under the most severe conditions.

### Multi Purpose Grease
- Universal heavy duty lithium complex EP grease, developed for lubrication of automotive and industrial equipment, such as trucks, road construction equipment and industrial machinery
- Suitable to lubricate marine equipment working in a damp environment
- Can be applied over a wide temperature range
- Mechanically very stable and easily pumpable, due to its smooth structure

### Marine Grease
- Multi-functional calcium/lithium grease with extreme pressure properties, specially formulated for lubricating machinery working in damp or wet conditions
- Highly resistant against oxidation, corrosion and wear
- Performs very well in marine applications like stern tubes, bearings, gears and a variety of deck machinery
- Good mechanical stability, high load-carrying capacity, applicable within a wide temperature range

### Moly Fortified MP Grease
- Universal lithium EP grease with molybdenum disulphide to reduce friction
- For lubrication of automotive and industrial equipment, especially when working under wet conditions
- Can be applied over a wide temperature range and used for chassis lubrication of trucks, tractors, bulldozers and other on- and off-road and industrial equipment
- Mechanically very stable and easily pumpable, due to its smooth structure

### Dipperstick Grease
- Strong adhesion to metal surfaces, resists water washing and prevents rust and corrosion
- Excellent wear-resistant properties suitable for working in damp, or wet conditions
- Easy to apply at low temperatures
- Excellent load-carrying capacity and good corrosion prevention properties
- Recommended for lubrication of dippersticks, open gears, cables and coupling devices of trucks and trailers

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**Material Number Table**

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</table>
Sienna Grease
> Complex grease based on a combination of napthenic and paraffinic base oils
> Good anti-oxidation and anti-corrosion properties
> Excellent load-carrying capacity and good protective and adhesive properties, suitable for high-load/high-pressure applications
> Lubricating ability up to +140°C

Semi-Fluid Grease
> Lithium grease of soft consistency for lubrication of bearings and closed industrial gearboxes where a semi-fluid grease is required
> Suitable for automatic lubrication systems of trucks and in applications where a double-zero grease is prescribed
> Mechanically very stable and easily pumpable due to its smooth structure

Performance Levels/Approvals > Sienna Grease
NLGI Grade - 2/3

Performance Levels/Approvals > Semi-Fluid Grease
NLGI Grade - 00

Stern Tube Grease
> Special grease for the lubrication of stern tubes
> Possible to use for other purposes, such as lubrication of bearings and a variety of deck machinery
> Good anti-corrosion and anti-oxidation properties; excellent resistance to both fresh and salt water

Lithium No. 2 EP Grease
> Universal lithium EP Grease developed for lubrication of automotive and industrial equipment
> Can be applied over a wide temperature range
> Good water resistance and protects against rust and corrosion
> Mechanically very stable and easily pumpable, due to its smooth structure

Performance Levels/Approvals > Stern Tube Grease
NLGI Grade - 3

Performance Levels/Approvals > Lithium No. 2 EP Grease
NLGI Grade - 2

Material Number Table

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MARINE OILS
Reliability and trust

Valmarin TP 1230, 1240
> SAE 30, 40
> Specially designed for medium- and high-speed marine trunk piston gas oil and diesel engines
> Prevents ring-sticking, wear and deposit formation, and helps keep engines clean
> Fulfills the requirements of most major marine diesel engine manufacturers

Performance Levels/Approvals > Valmarin 1230,1240
API CF, MAK*, MAN B&W, SEMT Pielstick*, New Sulzer Diesel*, Wartsila*

STOU (Super Tractor Oil Universal)
10W-30, 15W-30, 15W-40
> API GL-4, CF-4
> A premium, multi-functional oil specially formulated for use in agricultural equipment engines, transmissions and wet brake systems and integral hydraulic systems
> Can be used for total tractor lubrication (including front-axle final drives) helping to eliminate misapplication and reducing the number of products required on hand

Performance Levels/Approvals > STOU 10W-30, 15W-30, 15W-40
API CF-4, CE/CF, API GL-4, Allison C3, C4, MF M1139, M1144, M 1145, Ford M2C-159B, 30, 40 Series, John Deere JD J27, Caterpillar TO-2, ZF TE-ML-06A, B, C, D, 07B

UNITRAC
80W
> API GL-4
> A premium multi-purpose fluid designed for year-round service in tractor hydraulic systems, transmissions and differentials with wet brake systems and final drives. The product is not designed for use as an engine lubricant. Protects against wear and corrosion of tractor components and has excellent friction properties

Performance Levels/Approvals > Unitrac 80W
API CF-4, Case IH: MS-1207, 1209, 1210, 1230, IH Hytran* Plus, MF M1135/1141/1143, Ford M2C-134 A/BC/D, M2C86-B/C, New Holland FNHA 2-C-201.00; John Deere JDM J27, Caterpillar TO-2, ZF TE-ML 3E, 5F

LUBRICANTS | OTHER LUBRICANTS | MARINE OILS & AGRICULTURAL OILS

Material Number Table
20L | 60L | 208L
STOU 10W-30 | VE17006 | VE17018
STOU 15W-30 | VE17026 | VE17038
STOU 15W-40 | VE17046 | VE17058
UNITRAC 80W | VE17106 | VE17117 | VE17118

Valmarin TP 1230 VE16118 VE16119
Valmarin TP 1240 VE16138 VE16139
All-Fleet DD 40 VE16158

All-Fleet® DD40
> Low-ash, high-quality, extra-heavy-duty detergent motor oil, formulated to provide optimum performance in GM-Detroit 2-stroke diesel engines in marine and industry services

All-Fleet DD Engine Oil Advantages
> Helps avoid deposit formation on the exhaust valves with low ash content
> Excellent anti-wear properties
> Prevents sludge formation and lacquer deposits helping to keep the engine clean
> High oxidation stability

Performance Levels/Approvals > All-Fleet DD
API CF-2,CF, GM Detroit Diesel series 53, 71, 92, 149

AGRICULTURAL OILS
Reliable, versatile and unique products for farmers
Universal fluid for engine transmission and hydraulics

Material Number Table
20L | BULK
STOU 10W-30 VE17006 VE17019
STOU 15W-30 VE17026 VE17038
STOU 15W-40 VE17046 VE17058
UNITRAC 80W VE17106 VE17117 VE17118

Valmarin TP 1230 VE16118 VE16119
Valmarin TP 1240 VE16138 VE16139
All-Fleet DD 40 VE16158

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INDUSTRIAL LUBRICANTS
Reliability and trust
Industrial lubricants for hydraulic fluids, gear oils and other lubricants, normally used in industrial, manufacturing and plant equipment.

HYDRAULIC FLUIDS

Ultramax™
The stringent requirements of industrial environments demand special lubricants. Ultramax products are specially formulated to provide modern hydraulic systems with superior anti-wear protection and heavy duty service performance.

Ultramax HLP ISO 32, 46, 68, 150
> For use in a variety of hydraulic systems, including cranes, forklifts, loading ramps, tail-boards, etc.

Performance Levels/Approvals > Ultramax HLP

Ultramax HVLP
> Superior anti-wear protection and heavy duty service performance even in extreme climatic conditions
> Excellent low-temperature properties
> Available in ISO 32, 46, 68 viscosity grades

Performance Levels/Approvals > Ultramax HVLP

Valvoline® E.P.G. ISO 150, 220, 320
Industrial gear oil which offers excellent extreme pressure resistance, heavy load-carrying capability, high thermal stability and good water separation ability.
> Suitable for industrial gearboxes and reduction gear units
> Excellent shock load resistance to meet variable load and r.p.m. conditions
> Does not affect or stain copper or bronze

Performance Levels/Approvals > Valvoline E.P.G.
ISO, DIN 51502/DIN 51517-3, US-Steel 224, AGMA 250.04

Ultraplant ES 46 S
Ester-based biodegradable hydraulic fluid with improved anti-oxidant, anti-wear and anti-corrosion properties. Intended for all applications where environmental losses may occur, (forest working machines, waterway locks, mining, etc.). Meets the requirements of the “clean lubricants” act, as defined by the City of Gothenburg, Sweden.
> Available in an ISO 46 viscosity grade
> Fully biodegradable

Performance Levels/Approvals > Ultraplant ES
CEC-L-330A92, Swedish Standard SS 155434
**LAWNMOWER OIL**

Lawnmower Oil is a premium lubricant specially developed for use in all 4-stroke lawnmowers, rotary cultivators, small tractors, floor cleaning machines and other similar equipment operating in a high revving environment.

- SAE 30
- Keeps engines clean
- Protects against wear and corrosion
- Fulfills requirements of leading lawnmower manufacturers

**Performance Levels/Approvals > Lawnmower oil**

API SG/CD, 30

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**DURABLEND® CHAINSAW 2T**

DuraBlend Chainsaw 2T is a synthetic blend lubricant specially formulated with unique basestocks and additives to provide enhanced oil film strength for severe operating conditions encountered by high-speed light and heavy chainsaw equipment.

- Synthetic blend
- Pre-diluted for easier mixing
- For use in both injector and pre-mix systems
- Use fuel/oil ratios as specified by the engine manufacturer

**Performance Levels/Approvals > DuraBlend Chainsaw oil**

API TC, JASO FD, ISO L-EGD, Husqvarna 242/346

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**BAR & CHAIN LUBE**

Valvoline Bar & Chain Lube is a year-round chain lubricant containing special additives with enhanced oil film strength, tackiness and adhesion. Ideally suitable for high-speed heavy chainsaw equipment. Prevents clogging of chainsaw by removing (draining) woodchips.

- SAE 40
- For chain lubrication only
- Do not use for engines

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OUTBOARD OILS

Providing year-round protection for all air and water-cooled engines, Valvoline high-performance outboard motor oils not only give excellent lubrication, but help prevent deposits from forming in the combustion chamber and combat fuel-related problems. The specially selected base oils and additives provide excellent performance across a wide temperature range.

SynPower® Outboard 2T
> Biodegradable according to ISO, ASTM, and OECD
> Fully synthetic ashless 2-stroke outboard motor oil for all air- and water-cooled engines
> Pre-diluted for easier mixing and suitable for oil injection systems
> Use fuel/oil ratios as specified by the engine manufacturer up to a maximum of 100:1

Super Outboard 2T
> Excellent lubrication
> Helps prevent deposits forming in the combustion chamber
> Combats fuel-related problems, deposits, ring sticking and carbon accumulation
> Pre-diluted for easier mixing, and suitable for oil-injection systems
> Use fuel/oil ratios as specified by the engine manufacturer up to a maximum of 100:1
> TC-W3

Super Outboard 4T
> SAE 10W-30, API SJ
> Provides easy cold starting

Performance Levels/Approvals > SynPower Outboard 2T

Performance Levels/Approvals > Super Outboard 2T

Performance Levels/Approvals > Super Outboard 4T
API SJ

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Effective workshop solutions for increased customer satisfaction

Valvoline® — the oil industry’s first brand and a recognized leader in automotive aftercare — offers a complete range of high-performance chemicals that deliver superior results and convenience, generate new revenue opportunities and business growth, and build marketplace loyalty and customer satisfaction.

You can count on the innovative, premium formulations and unrivaled performance of Valvoline automotive and heavy duty chemicals.
COOLANT

ANTIFREEZE

Combats the main cause of vehicle breakdown

The primary cause of vehicle breakdown is cooling system failure, because:

> Cooling system maintenance is often neglected

> The wrong coolant or water is often used

Choosing the right coolant is essential to engine protection, and the complete range of premium coolants help keep system components in top condition.

Most vehicle manufacturers have particular coolant specifications and recommend different coolant technologies, including Organic Acid Technology (OAT) or Hybrid Organic Acid Technology (HOAT). In addition to meeting these approved technologies, Valvoline coolants offer additional benefits so you can be sure of the best protection available.
COOLANT ANTIFREEZE

Cooling system protection at extreme low temperatures requires exceptional products, Valvoline Coolant AF’s have been specifically designed to provide very high levels of protection even at temperatures as low as -36°C. Suitable for cars, trucks, buses, and meeting the requirements of most leading car and truck manufacturers, Valvoline Coolant AF contains no nitrates, amines or phosphates. Coolant AFs can be used for both open and closed cooling systems, and are safe to mix with other coolants based on ethylene glycol.

MaxLife®
Coolant AF

> For vehicles with more than 100,000 kilometers
> Prevents scaling and system deposits
> Protects seals, gaskets and aluminum
> Lubricates seals and hoses to prolong life
> Long life formula (5 years)

Coolant AF Extreme

> Prevents scaling and system deposits
> Protects seals, gaskets and aluminum
> Lubricates water pump seals
> Long life formula (5 years)
> Cannot be mixed with other coolants

Performance Levels/Approvals >
MaxLife Coolant AF

Performance Levels/Approvals >
Coolant AF Extreme
ASTM D3306, D4985, SAE J1034, J814C, J1941, gM B0400240, Meets BS 6580, G11 and G12+

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*Trademark owned by a third party
Coolant AF Extra

- Prevents scaling and system deposits
- Protects seals, gaskets and aluminum
- Lubricates water pump seals
- 3-year protection

Coolant AF BS 6580

- Standard protection package
- 1-year protection
- BS 6580 concentrate can be mixed with demineralized water or even tapwater up to a 50/50 mixture, freezing protection up to -35°C
- BS 6580 50/50 RTU is a ready-to-use product which should not be mixed with water
- Free of nitrites, amines and phosphates

Performance Levels/Approvals >
Coolant AF Extra

Performance Levels/Approvals >
Coolant AF BS 6580

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**HD COOLANT**

Cooling system protection at extreme low temperatures require an exceptional product, Valvoline Coolant AF’s have been specifically designed to provide very high levels of protection even at temperatures as low as -36°C. Suitable for cars, trucks, buses, and meeting the requirements of most leading car and truck manufacturers, it contains no nitrites, amines or phosphates. Coolant AFs can be used for both for open and closed cooling systems, and are safe to mix with coolants based on ethylene glycol.

**HD Extended Life**

HD Extended Life is an engine coolant for trucks, buses, road construction machinery and industrial equipment, and fulfils the requirements of the most leading heavy duty engine manufacturers. HD Extended Life is free of nitrites, amines and phosphates, which makes it more friendly to the environment. HD Extended Life Concentrate protects cooling systems against frost, corrosion and overheating for at least 3 years, 7000 hours or 500.000 kilometers. Suitable for open and closed cooling systems and aluminum engine blocks. The product is mixable with other ethylene-glycol-based coolants, however this may shorten the long-life characteristics. HD Extended Life can be mixed with water in several concentrations, depending on the desired freeze protection.

**The Importance of Coolants**

As 22% of all engine failures are related to the cooling system, proper cooling system operation is of major importance.

By choosing HD Extended Life coolant most of these failures can be avoided.
HD COOLANTS

Field test
Bonneville Transloaders Inc. hauls soda ash from mines in the Rocky Mountains to a rail site in the plateau area of Shoshone, Wyoming, USA. These trucks operate at more severe conditions than required by Caterpillar EC-1 test, so they served as an excellent test case for evaluating the performance of Valvoline HD Extended Life antifreeze/coolant.

Equipped with Caterpillar 3406 engines, the trucks routinely operate with loads in excess of 70 tons. After 15 months and 3.2 million kilometers, seven engines were dismantled, inspected, rated and photographed in strict accordance with Caterpillar EC-1 guidelines. Particular attention was paid to cylinder liners, with depth measurements made and recorded as a percentage of wall thickness.

Other critical components also were taken apart and inspected, including water pumps, radiators, and thermostat housings, with the following results:

- Excellent overall performance
- Liner pitting meets EC-1 limits
- Thermostat housings free of corrosion
- Radiator well protected
- Radiator tubes with minimum corrosion

Performance Levels/Approvals


*Trademark owned by a third party*
Brake, Clutch and Power Steering Fluids

Safety first with high-quality fluids

High-quality brake fluid is essential to ensure effective stopping power. Most vehicle manufacturers recommend changing brake fluids every two years to optimize braking performance and protect system components.

Top-quality Valvoline® brake fluids are available for all driving conditions and brake systems, including disc, drum and anti-skid (ABS) applications. Choosing Valvoline brake fluids is your guarantee of advanced performance and system protection.

Keep power-steering systems working properly

Valvoline power-steering fluids meet and exceed the requirements of leading vehicle manufacturers to ensure steering components are fully protected and the performance is consistently high.

Vehicle manufacturers recommend checking the quality of power steering fluids at least every two years to maintain proper system function and protection.
BRAKE & CLUTCH FLUIDS

High-quality, non-mineral fluids based on Glycol Ethers, and are formulated specifically for hydraulic brake systems. The high boiling points of both products mean that they are safe for use within the brake system and can be mixed with other brake fluids with a similar specifications. The hygroscopic properties of Valvoline Brake and Clutch Fluids absorb water that slowly lowers the boiling point. It is recommended that brake and clutch fluids are refreshed every two years.

Brake and Clutch Fluid DOT 3&4
> Developed for hydraulic brake systems
> High dry boiling point (260°C.)

Brake and Clutch Fluid DOT 5.1
> Suitable for cars with ABS and ASR anti-block and anti-slip systems
> High dry boiling point and can be used at very high and very low temperatures (270°C)

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POWER STEERING FLUIDS

Keep power steering systems working properly

Valvoline power steering fluids meet and exceed the requirements of leading vehicle manufacturers to ensure steering components are fully protected and the performance is consistently high.

Vehicle manufacturers recommend checking the quality of power steering fluids at least every two years to maintain proper system function and protection.

**LHM Plus Fluid**

- Special fluid with improved flow at low temperatures to meet Citroen specifications for the hydraulic system, power steering/brake system booster and leveling system
- Extremely high and stable viscosity index and a very low pour point

**SynPower® Power Steering Fluid**

- Synthetic power steering fluid, suitable for use in power steering units and leveling systems of passenger cars and trucks where special OEM fluids are recommended
- Flows easily at very high and low temperatures. Suitable for ABS/ASR/ASC systems

**Performance/Level Approvals**

**LHM Plus Fluid** - Please check owners manual before use.
AFNOR NF R 12-640
ISO 7308
PSA (Citroën) B71 2710

**SynPower Power Steering Fluid**

- Please check owners manual before use.
- Audi
- Daimler Chrysler 345.0
- MAN M 3289
- Opel B 040 0070
- Porsche
- Saab*
- SEAT
- Skoda
- Volvo 1161529
- VW TL 52146

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Easy and effective solutions for engine problems and car maintenance

Valvoline® oil, fuel and coolant additives and workshop chemicals deliver outstanding results, and quickly. The premium formulations simplify maintenance by cleaning effectively and offer lasting protection of systems and components.
FUEL INJECTOR & CARBURETTOR CLEANER

Treat your engine with Valvoline Fuel Injector and Carburettor Cleaner, to obtain maximum performance and efficiency. By helping to reduce build-up of contaminants in fuel injectors and carburettor systems, Valvoline Fuel Injector and Carburettor Cleaner cleans and lubricates to restore engine power and reduce fuel consumption while preventing start-up problems or engine hesitation. This product does not contain strong harmful solvents that could damage the fuel system.

> Cleans injectors in a single treatment
> Restores engine performance
> Keeps fuel injectors in a single treatment
> One treatment lasts up to 3,000 kilometers
> Provides carburettor cleaning
> Helps stop corrosion
> Safe for oxygen sensors and catalytic converters

DIESEL FUEL TREATMENT

Valvoline Diesel Fuel Treatment contains detergents specifically designed to remove deposits from diesel injectors. Just as diesel fuel is different from petrol, the detergents used to clean the deposits from diesel injectors are different from detergents used to clean petrol injectors. When sulfur is removed from diesel fuel, it needs help to lubricate injector pumps and injectors.

> Keeps injectors clean
> Helps remove water from diesel fuel
> Lubricates injectors and fuel pumps when using low-sulfur fuel
> Fights corrosion
> Contains no alcohol

RADIATOR STOP LEAK

Valvoline Radiator Stop Leak is a low-cost method of sealing all types of cooling system seepage and leaks. Radiator Stop Leak features a unique combination of high-molecular natural components and advanced leak-sealing components dispersed in a corrosion inhibited liquid. Designed for use in all types of cooling systems, except for heavy duty diesel cooling systems.

> Stops radiator leakage in seconds
> Contains only very small particles that will not clog even the smallest engine passages
> Compatible with water and all conventional coolants/antifreezes
> Contains no metals

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**ENGINE FLUSH**

Designed to dissolve sludge gently while an engine idles, Valvoline Engine Flush takes only five minutes to remove thick deposits. Engine Flush is completely safe to use, as hard carbon and varnish are not affected, and the product contains no chlorinated solvents. Engine Flush will not harm gaskets when used as directed. For engines that have accumulated 160,000 kilometers or more, it is recommended that the oil screen should be checked for blockage before using.

- Dissolves sludge
- Cleans engine in five minutes
- Opens restricted oil passages
- Frees sticky lifters
- Dissolves power-robbing deposits
- Safe for gaskets

**ENGINE STOP LEAK**

Elastomeric seals in contact with hot oil tend to shrink, harden and become less pliable. As a result, oil begins to leak out. One alternative is to replace the leaking seals, another is simply to add Valvoline Engine Stop Leak to the engine oil. This product contains a synthetic seal swell additive to swell seals back to their original size and help them regain pliability. Engine Stop Leak will only swell seals until they reach their original size. Engine Stop Leak also contains a viscosity index improver to reduce leaking until the seals are revitalized. If seals are broken or cracked, they must be replaced to stop the leak.

- Reduces oil leaks from main bearing seals
- Helps keep seals soft and pliable
- Compatible with all motor oils
- Improves engine oil viscosity index
- Contains no harmful solvents or solids

**OIL TREATMENT**

Valvoline Oil Treatment contains a polymer that increases the viscosity index of engine oil, making the oil more viscous (thicker) at high temperatures without increasing viscosity proportionally at low temperatures. Engine oil fortified with Oil Treatment still becomes less viscous (thinner) as temperature increases and more viscous (thicker) as temperature decreases, but at a slower rate than non-treated oil. Oil Treatment increases oil viscosity at high temperatures which helps reduce blow-by and oil burning by helping piston rings form a better seal. Oil Treatment also contains an extreme pressure additive which helps reduce engine wear.

- Minimizes oil consumption
- Reduces friction
- Improves piston ring seal and compression
- Increases lubricity
- Improves viscosity index of oil
- Protects engines from extreme pressure wear

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Valvoline Professional Series® (VPS) products improve preventive maintenance services by offering the ultimate in protection, performance and operational life. These best-in-class formulations help ensure vehicle systems work as the manufacturer intended.

The Professional Series products allow workshops and dealerships to improve service quality, generate new service revenue and improve customer satisfaction.
PRODUCTS FOR PROFESSIONALS

Valvoline Professional Series products deliver maximum value to consumers and workshops by providing superior professional-grade products to help workshops perform value-added automotive services. From fuel system cleaners to coolant flushes, Valvoline Professional Series products optimize services while generating incremental workshop revenue. Over the years, vehicle service intervals have been extending. Valvoline’s Professional Series products are designed to improve vehicle performance and protection.

Valvoline Professional Series products:

> Restores and improves performance
> Cleans thoroughly to reduce future wear
> Improves customer satisfaction
> Helps increase service revenue

VPS SYNPOWER® FUEL SYSTEM CLEANERS
Modern engines, modern technology

Modern engines have become more technically advanced and more precisely engineered. Even a small amount of carbon deposit (unburnt fuel) can “throw off” an engine, leading to reduced performance and fuel economy. VPS SynPower Fuel System Cleaners are proven to quickly clean up power-robbing deposits and help maximize value per service. Older technology fuel cleaners may actually increase deposits in modern engines! VPS SynPower Fuel System Cleaners are highly concentrated and use component-targeting, generation V synthetic cleaners to eliminate power-robbing deposits in the fuel system.

When To Use?

Deposits are the result of combustion and need to be removed regularly. One bottle of SynPower Fuel System Cleaner treats up to 75 liters of gasoline or diesel and should be used at least at every service to assure that the engine keeps performing at its best. Safe for catalytic converters and particulate filters.

VPS SynPower Fuel System Cleaners
Gasoline / Diesel System Cleaners

> Specific formulas for gasoline and diesel engines
> Cleans injectors, intake valves and combustion chambers
> Restores fuel efficiency
> Lowers emissions
> Improves cold start
> Safe for use in modern engines
> Ashless formulation

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</table>
MAXLIFE® FUEL SYSTEM CLEANERS

Higher kilometers, different needs

Engines with higher kilometers have different needs. MaxLife products are a superb remedy against the effects of aging in both petrol and diesel engines to help extend the life of a vehicle. MaxLife Fuel System Cleaners are specifically designed for higher-kilometer engines, using powerful additives to clean and protect the fuel system. By removing combustion chamber deposits and thoroughly cleaning key fuel system parts, it helps to restore power output, improve fuel efficiency, reduce emissions, in turn, maximizing engine life. These products are alcohol free and are safe for use with catalytic converters and will not harm oxygen sensors.

When To use?

One bottle treats up to 75 liters of gasoline or diesel. Users will experience a real difference after a single application and continued use will help return the engine to optimum performance. It is recommended to use the products every 5,000 kilometers or at least at every oil change, as higher kilometer vehicles can produce more fuel system deposits.

Fuel System Cleaners Ingredients Detergents

The powerful detergents used in VPS Fuel System Cleaner products clean all fuel system components including injectors, intake valves, combustion chambers, and exhaust valves. Diesel needs are different than gasoline engines because diesel combustion is more severe. Therefore our diesel formulations use different detergents which reduce injector nozzle coking, clean injectors and maintain the fuel system spray pattern.

> Reduced combustion noise
> Reduced emissions
> Optimized condition of injector system
> Improved fuel economy

Lubricity Agents

Lubricity agents reduce rust formation in fuel storage and delivery systems seen in older vehicles.

> Reduction of wear on injectors and fuel pump, longer life of injectors and fuel pump

Cetane Improvers

Cetane Improver decreases ignition delay and improves combustion.

> Better fuel economy

MaxLife Gasoline/Diesel System Cleaners

> Cleans through to combustion chamber deposits
> Lubricates pumps and injectors
> Improves combustion and engine power
> Reduces emissions, knocks and pre-ignition
> Eliminates water and condensation

Material Number Table

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VPS RADIATOR FLUSH
Promotes optimum cooling efficiency

Valvoline Professional Series Radiator Flush helps maintain cooling system efficiency and effectiveness by assisting antifreeze in performing a better job of protecting the system. By removing contaminants from the cooling system, heat transfer is improved and antifreeze can more efficiently cool vital engine parts.

If contaminants are allowed to accumulate, they not only interfere with heat transfer but also can cause galvanic corrosion. VPS Radiator Flush is a powerful combination of surfactants, detergent cleaners and acid neutralizers. The product was specially formulated to quickly emulsify oil, scum and sludge, and to remove loose rust and scale from all areas of the cooling system.

VPS Radiator Flush
> Removes contaminants to maintain cooling efficiency
> Emulsifies oil and sludge to prolong life of the radiator
> Removes rust and scale, and prevents build-up of acids and contaminants

VPS ENGINE FLUSH
5 minute clean-up

VPS Engine Flush is one of the latest generations of automotive products for today’s demanding automotive engines. VPS Engine Flush is a premium engine cleaner that will not harm the engine, ring seating, valve guides or seals, nor does it contain additional additives that can adversely affect engine oils.

VPS Engine Flush
> Cleans oil pathways to improve oil flow to critical engine components
> Reduces sludge and other harmful deposits from the engine and oil pan

Material Number Table

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VPS AIR CONDITIONER ODOR TREATMENT
Eliminates unpleasant smells

VPS Air Conditioner Odor Treatment eliminates unpleasant smells from vehicles by removing mold, mildew and fungus growth on the evaporator of the HVAC system. VPS Air Conditioner Odor Treatment starts out as a pleasant air freshener. The pleasing scent immediately neutralizes unpleasant smells, while the fungicide takes action directly at the source. Within 24 hours, the pleasant fragrance will subside and the vehicle will smell fresh, and remain so for an extended period of time. A small amount of the product goes a long way, and each can of VPS Air Conditioner Odor Treatment will allow three vehicle applications.

VPS Air Conditioner Odor Treatment

> Counteracts air conditioning system odors
> Removes mold, mildew and fungus from air-conditioning systems
> Refreshes the air in vehicles, boats, airplanes, homes and offices

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VPS HD Diesel System Complete

Valvoline VPS HD Diesel System Complete cleans and restores the complete fuel system of the heavy duty diesel engine, restoring the engine back to its original power and performance, without the need for a higher cetane number fuel. The product demulsifies the fuel from condensation water and protects against rust and corrosion, while the implemented flow improver guarantees a smooth start at cold temperatures. The chemical composition of the product stabilizes the fuel and prevents fuel aging and bacterial contamination. VPS HD Diesel System Complete reduces downtime for maintenance by keeping the engine clean, reducing wear, and helping the engine run smoother and more efficiently. Add VPS HD Diesel System Complete to the fuel tank before refilling. One bottle is enough for 1.000 liters of fuel.

- Cleans the entire fuel injection system
- Maximizes power and performance of all heavy duty diesel engines
- Removes deposits, cleans injectors and restores spray patterns
- Reduces emissions caused by deposits and incomplete combustion
- Lubricates injectors and fuel pumps if running on low-sulphur diesel
- Helps maintain cold-start properties
- Provides corrosion protection to fuel system.
- Removes bacteria in fuel tank caused by water contamination.
- Reduces downtime and maintenance costs by keeping fuel system clean and reducing wear.

VPS HD Diesel Radiator Flush

VPS HD Radiator Flush is a powerful combination of surfactants, detergent cleaners and acid neutralizers formulated to quickly emulsify oil, scum and sludge, as well as remove loose rust and scale throughout the cooling system. The product helps maintain cooling system efficiency and effectiveness by boosting the effectiveness of the antifreeze in protecting the system. By removing contaminants from the cooling system, heat transfer is improved and antifreeze can do a better job of cooling vital engine parts. If contaminants are allowed to accumulate, they not only interfere with heat transfer, but also can cause galvanic corrosion. Each time antifreeze coolant is changed in a vehicle, before adding new antifreeze coolant the system should be flushed with VPS HD Radiator Flush to clean and remove harmful contaminants. VPS HD Radiator Flush can be used in any cooling system, no matter what type of coolant/antifreeze is used. A 1-liter bottle is enough for a 20-25 liter cooling system.

- Emulsifies oil and sludge
- Removes loose rust and scale
- Maintains cooling system efficiency
- Prevents build-up of acids and contaminants
- Safe and easy to use
- Safe for gaskets and other seals
- Specially developed for cooling systems of heavy duty diesel engines

VPS HD Engine Flush

VPS HD Engine Flush is a professional formulation designed to dissolve sludge and clean the crankcase to enhance the life of fresh engine oil. VPS HD Engine Flush is mixed with the used motor oil and allowed to clean for 20-30 minutes (depending on the severity of the contamination) in an idling engine. Since VPS HD Engine Flush contains no chlorinated solvents, it is safe for use. VPS HD Engine flush will not harm gaskets or other seals if used as directed. Always follow the label directions. For engines with accumulated deposits and 160,000 kilometers or more, it is recommended that the oil screen be checked for any blockage before using VPS HD Engine flush. A 1-liter bottle is enough for a 10-12 liters oil sump.

- Dissolves sludge and power-robbing deposits
- Cleans the engine in 20 to 30 minutes
- Opens restricted oil passages
- Frees sticky lifters
- Improves oil circulation
- Safe for gaskets and other seals
- Specially developed for heavy duty diesel engines

Material Number Table

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Fast and effective solutions for cleaning and car maintenance

Valvoline® car care chemicals deliver outstanding results, quickly. The premium formulations simplify maintenance by cleaning effectively and offering lasting protection of systems and components. From aerosols and additives to cleaners and waxes, you can count on Valvoline chemicals for superior quality.
CAR CARE - CLEANING

Engine Cleaner
Engine Cleaner quickly penetrates grease, dirt, oil and grime to swiftly remove contaminants.

- Removes emulsified oil and dirt
- Cleans engine parts and lawn mowers
- All purpose degreaser
- Safe for electrical and engine components

Carburettor Cleaner
Carburettor Cleaner provides powerful cleaning of gum, varnish, carbon and grime in a formula that meets VOC* regulations.

- Effective cleaners leave no deposits
- Cleans throttle body, carburetors and choke
- Contains no chlorinated solvents
- Safe for oxygen sensors and catalytic converters

Brake Cleaner
Brake Cleaner removes brake fluid, grease, oil and brake dust instantly.

- Suitable for brake parts, pads, linings, drums, rotors, calipers, springs and backing plates
- Leaves no residue
- Contains no petroleum solvents
- Non-flammable and non-conductive

Clean Tronic
Clean Tronic cleans, protects and lubricates electrical contacts in a single package.

- Eliminates the need for more than one product
- Removes contaminants effectively
- Protects against rust and corrosion

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*Trademark owned by a third party
Silicone Spray
Silicone Spray is a light duty lubricant that lubricates, waterproofs and protects, leaving no sticky residue.
- Suitable for door hinges, rubber mountings, drawers, windows and sliding doors
- Non-staining
- Stops squeaks and sticking

Penetrating Oil
Penetrating Oil loosens and lubricates corroded parts and threads.
- Frees bolts, nuts and other fasteners
- Special lubricants eliminate squeaks
- Provides long lasting protection

White Grease
White Grease penetrates tiny crevices, forming a lubricating grease that stays exactly where it’s sprayed.
- Suitable for all metal-to-metal applications
- Non-hardening, non-dripping and non-staining formula
- Water and heat resistant
- Fights rust and corrosion

High Pressure Lubricant + PFTE
High Pressure Lubricant protects metal parts against wear and corrosion in extreme conditions.
- The freshly sprayed product reaches every square millimeter
- Contains PTFE for smooth lubrication
- Performs over a wide temperature range between -50°C to +250°C

Multi Spray 1299WD
Multi Spray 1299WD is a blend of fast-acting super-penetrating solvents that evaporate, leaving a thin transparent protective film, rapidly loosens corroded fastenings and penetrates quickly into cracks, crevices and threads, freeing bolts, nuts and other fasteners. Annoying squeaks are silenced by friction-reducing lubricants. Cleans and protects all metals from rust and corrosion. Use to loosen, dry, protect, lubricate and clean; bolts, sewing machines, lock mechanisms, distributors, spark plugs, tools, pipe threads, typewriters, hinges, guns, fishing reels, farm and garden equipment, rollers, wheels, nuts, boat parts, chains, clamps, appliances, chrome, zip fasteners, clocks, etc.
- Penetrates, loosens, lubricates, and protects metal parts from rust and corrosion
- Dries wet ignitions
- Preserves battery terminals from corrosion

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Cockpit Spray
Cockpit Spray restores that new car look without leaving a sticky coating.
> Anti-static film repels dust
> Restores fading and cracking of vinyls
> Shields against ultraviolet damage
> Ideal for cars, trucks and boats

Glass Cleaner
Glass Cleaner is a stay on foam that effectively cleans and brightens all glass surfaces without streaking.
> Balanced formula resists fogging
> Powerful cleaners remove mud, insects and bird droppings
> Solvents effectively remove stubborn oil and road grime
> Prevents streaking at low temperature

ProShine Wax
ProShine Wax offers cleaning and high gloss shine in one easy application.
> High quality waxes deliver a high gloss shine
> Durable formula for lasting protection
> Easy to apply and remove
> Ideal for cars, trucks and motorcycles

Material Number Table

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Motor Start
Motor Start provides smooth starts in a variety of weather conditions.
> Starts gasoline and diesel engines quickly
> Reduces power loss of batteries
> Also works on lawn mowers, trimmers, chain saws, motorcycles, etc.

Copper Spray
Copper Spray protects seals and threads from the damaging effects of moisture.
> Removes nuts and bolts easily
> Performs over an extremely wide temperature range (-30°C to +1200°C)

Zinc Spray
Zinc Spray provides excellent protection for welded seams when repairing bodywork.
> Creates a quick drying, self-sealing coating
> Acts as an excellent primer for most paint systems
> Helps slow down corrosion of iron and steel

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Valvoline Tectyl® protective products are designed for short and long-term, indoor and outdoor metal surface protection. Tectyl products offer ultimate protection for metal surfaces against the damaging effects of moisture, chloride and corrosion. The broad range of Tectyl products offers ultimate protection and performance to protect metals from these corrosive attributes. New solutions have been developed to address recent market trends - water-based and non-solvent products are superior options when environmental, health and safety regulations impact product requirements. In addition to rust prevention, Tectyl also consists of a complete line of sound damping products, consisting of various visco-elastic and sprayable silencers, suitable for many industries where vibrating resonances of metals must be reduced.
TECTYL® RUST PREVENTION PRODUCTS

Whenever you need to protect against the corrosive effects of moisture, there is a product in our Tectyl range which can do the job perfectly. For 75 years, Tectyl products have been one of the most successful rust preventatives in the industry. Today, the formulation has been enhanced to meet the needs of Do-It-Yourself and other non-industrial users.

**Tectyl Bodysafe**
A black, bitumen compound for the protection against corrosion. Perfect for the underbody of the car as well as tanks, gas lines, emergency brake cables and hydraulic brake lines. Cures to a relatively firm, black, resilient, tough film.

**Tectyl ML**
Ideal for the protection of automotive hollow sections like door panels, side sills and frames. This petroleum wax-based product is designed to penetrate deeply into crevices to prevent corrosion. Do not forget to pay special attention to places where water can collect, such as corners and seams. Tectyl ML is also available with an attachment containing a special nozzle set for difficult-to-apply areas.

**Tectyl Glashelder/Klar**
A resin-based, colorless, corrosion preventive compound. Tectyl Glashelder/Klar can be applied on tools: gardening, household, automotive, marine and industrial. It is also an excellent moisture repellent when used on electrical wiring in motor vehicles.

**Tectyl Motor Konservering**
Designed to protect the inside of engines from corroding during storage. Tectyl Motor Konservering can be used with spark-ignition and compression-ignition engines. Simply spray for a minute or two into the intake of the carburettor, while the engine is running.

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Ideal protection against corrosion and abrasive damage, for the underbodies of cars, trucks, trailers, etc., Tectyl 190 is fast drying and can be painted over. Available as a grey or black, rubber-resin-based compound, the product cures to a firm, resilient and tough film.

As a general purpose corrosion inhibitor, Tectyl Multi Purpose/506 WD cannot be beaten. A powerful water-displacing compound, it is suitable for a wide range of applications, such as vehicle rust proofing, as well as the protection of machinery and parts in storage. Tectyl Multi Purpose/506 WD cures to an amber colored, waxy, transparent, firm film.

Tectyl Amber is a product with good water displacing properties, excellent penetration and corrosion protection. By applying a thin film on the center of a wheel hub and in the center of a wheel rim, corrosion is avoided, which can lead to “non-removable wheels.” Tectyl Amber is a versatile protective coating for a wide variety of applications.

With first-class water displacement properties and resistance against acids and alkalines, Tectyl Superwax provides high levels of protection for a wide variety of equipment, such as tools, chromium-plated parts, electrical wiring, etc. A wax-based, corrosion-preventive compound, Tectyl Superwax compound cures to an amber colored, waxy, semi-firm translucent film.

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NOTHING CAN STOP ME NOW*. WITH VALVOLINE
NOTE:
Inside Back Cover
(Blank)
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