

### Product Description

TAC-8 is heavy duty full formulation hybrid anti boil/anti freeze coolant with nitrite chemistry. The product is based on a combination of organic technology corrosion inhibitors that contains no silicates, borates, phosphates or amines with conventional technology ingredients included for suitability in a range of vehicles. This product contains nitrite, nitrate and molybdate. This coolant uses nitrite base technology and is suitable to typical measuring techniques.

TAC-8 in concentrate form contains 90% monoethylene glycol and a heavy duty inhibitor package ensuring ultimate corrosion protection and extended service life when compared with conventional coolants. Anti boil and anti freeze protection is equally afforded with a substantially higher rust and corrosion protection than competitor products. TAC-8 is the ultimate in up to date hybrid coolant technology. Provides maximum protection against 'hot spot' corrosion, common in aluminium cylinder heads. Has no deleterious effects on hoses or gaskets.

TAC-8 protects all metals found in cooling systems and gives excellent protection against cavitation erosion and wet-sleeve liner pitting and significantly increases the operating life of water pumps. TAC-8 exceeds corrosion performance levels as detailed in the specifications sections of this PDS. TAC-8 is suitable where SCA filters are recommended or required.

TAC-8 has a service life of up to 6 years / 1,000,000kms / 6,000hrs in light duty diesels. There are obvious environmental advantages as a result of fewer coolant changes. It has a proven record over many years with marine engines, taxi fleets, government departments, bus companies and large fleet truck companies.

### Typical Characteristics

ph ASTM D1287  
Glycol by Weight  
Specific Gravity kg/L ASTM D1122  
Hazardous

DG Class  
Freezing Point °C ASTM D1177  
Boiling Point °C ASTM D1120  
Glassware Corrosion Test ASTM D1384  
Aluminium Corrosion Test ASTM D4340  
Water Pump Cavitation Test ASTM D2809  
Cummins Anti Scale Test AES14603

### Concentrate

8.6 - 9.7  
90.8%  
1.11 - 1.13



Non Dangerous Goods  
N/A  
165.6  
Pass  
Pass  
Pass  
Pass

### 50% Premix

7.6 - 8.5  
45.4%  
1.05 - 1.07



Non Dangerous Goods  
-36.2  
108.2  
Pass  
Pass  
Pass  
Pass

### Specifications

TMC RP-338 Extended Life  
TMC RP-330  
ASTM D-3306  
ASTM D-4985  
ASTM D-6211  
ASTM D-5216  
CID - A - A - 52624  
SAE J 1034, J1941 and JASO M  
324 and JIS K 2234

BMW® N 600 69.0  
Case New Holland®  
Cummins® CES 14603  
Detroit Diesel® Bulletin 7SE298  
EMD M.I. 1748E  
Ford M97B44-A, ESE FM97B18-C  
Freightliner 48 - 22880  
GM® 1899M and 1825M  
Iveco®

John Deere® 8650-5  
John Deere® JDM HD24  
Mazda MES MN 121D  
Mercedes Benz® DBL 7700  
Nissan NES M5509  
Saab Scania® 6901  
Toyota TSK 2601G  
Waukesha 4-1974D  
Volvo® (Spec No. 1286083)

**Test Results**

**ASTM D 1384 - Glassware Corrosion Test**

<b>Metal</b>	<b>Allowable Weight Loss</b>	<b>Typical Weight Loss (TAC8)</b>
Copper	10mg / coupon	0.5
Solder	30mg / coupon	1.5
Brass	10mg / coupon	0.2
Steel	10mg / coupon	-0.7
Cast Iron	10mg / coupon	-0.5
Aluminium	30mg / coupon	6.3

**ASTM D 4340 - Aluminium Heat Rejection Test**

<b>Allowable Weight Loss</b>	<b>Typical Weight Loss (TAC8)</b>
10mg / cm <sup>2</sup> / week	0.3

**ASTM D 2809 - Cavitation Erosion Corrosion**

<b>Rating (minimum)</b>	<b>Typical Weight Loss (TAC8)</b>
8	8