

Product Description

TAC-7 is an advanced heavy duty diesel (HDD) formulation anti boil/anti freeze coolant with nitrate / nitrite chemistry. The product is based on a combination of organic technology corrosion inhibitors with conventional heavy duty chemical inhibitors common to USA technology for compliance with Cummins, Detroit and CAT equipment that contain low silicate, nitrite, nitrate and molybdate. This coolant contains nitrite based technology and is suitable to typical measuring techniques.

TAC-7 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-7 is the ultimate in up to date coolant technology. Provides maximum protection against 'hot spot' corrosion, common in aluminium cylinder heads, diesel engine wet sleeve liner pitting and eliminates hard water scale deposits. Important also is this product has no deleterious effects on hoses, silicon seals or gaskets. TAC-7 is suitable where SCA filters are recommended or required.

Tranzmile TAC-7 meets or exceeds the following tests;
 ASTM D6210 ASTM D3306
 TMC RP-329 TMC RP-330 (PG)
 CID A-A 52624A Cummins AES14603

TAC-7 has a service life of up to 6 years / 1,000,000kms / 6,000hrs in heavy duty diesels. The service intervals are 1 year / 4,000 hours. There are obvious environmental advantages as a result of fewer coolant changes. It is suitable for use in marine engines, earth moving, mining, heavy transport and trucking fleet operations.

Typical Characteristics

	Concentrate	50% Premix
ph	8.0 - 9.7	7.9 - 8.6
Glycol by Weight	90.8%	45.4%
Specific Gravity kg/L	1.11 - 1.13	1.05 - 1.07
Hazardous		
DG Class	Non Dangerous Goods	Non Dangerous Goods
Freezing Point °C	N/A	-34
Boiling Point °C	179	108
Glassware Corrosion Test	Pass	Pass
Aluminium Corrosion Test	Pass	Pass
Water Pump Cavitation Test	Pass	Pass
ASTM D 4340 Heat Reject Test g/cm ² /week	0.3	0.3

Specifications

TMC RP-338 Extended Life	Case New Holland®	Mercedes Benz® DBL 7700
TMC RP-330	Cummins® CES 14603	Navistar®
ASTM D-3306	Cummins® Bulletin 3666132	PACCAR®
ASTM D-4985	Cummins ES Compleat	John Deere® 8650-5
ASTM D-6210	Detroit Diesel® Bulletin 7SE298	John Deere® JDM HD24
ASTM D-5216	EMD M.I. 1748E	Saab Scania® 6901
GM® 1899	Japanese JS K 2234	Waukesha 4-1974D
SAE J 1034 and JASO M 324	Iveco® Cursor Engine	Volvo® (Spec No. 1286083)
CID - A - A - 52624	SAE J 1034 and JASO M 324	BMW® N 600 69.0
Caterpillar® EC-1	Freightliner 48 - 22880	
Caterpillar® ELC	Komatsu® AF-NAC	

Test Results

ASTM D 1384 - Glassware Corrosion Test

Metal	Allowable Weight Loss	Typical Weight Loss (TAC7)
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

Allowable Weight Loss	Typical Weight Loss (TAC7)
10mg / cm ² / week	0.3

ASTM D 2809 - Cavitation Erosion Corrosion

Rating (minimum)	Typical Weight Loss (TAC7)
8	8