

# AC-8 COOLANT

PRODUCT DATA SHEET

## Total Heavy Duty Engine Coolant Type A

### Extended Life Hybrid Acid Technology - (Monoethylene Glycol)

Use - AC-8 is highly recommended for use in automotive diesel engines and light duty diesel where the manufacturer specifies hybrid OAT type coolant.

#### PRODUCT INFORMATION

AC-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.





AC-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. AC-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.



AC-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. AC-8 exceeds corrosion performance levels as detailed in the specifications sections of this PDS. AC-8 is suitable where SCA filters are recommended or required.

AC-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 several large fleet truck companies.

#### TYPICAL PROPERTIES

Coolant Mix	Concentrate	50% Premix
Appearance - (Green, Red or Blue)	Mobile Liquid	Mobile Liquid
pH ASTM D1287	8.6 - 9.7	7.6 - 8.5
Glycol by Weight	90.8%	45.4%
Specific Gravity kg/L ASTM D1122	1.11 - 1.13	1.05 - 1.07
Hazardous		
DG Class		
Freezing Point (°C) ASTM D1177	N/A	-36.20
Boiling Point (°C) ASTM D1120	165.60	108.20
Glassware Corrosion Test ASTM D1384	Pass	Pass
Aluminium Corrosion Test ASTM D4340	Pass	Pass
Water Pump Cavitation Test ASTM D2809	Pass	Pass
Cummins Anti Scale Test per AES14603	Pass	Pass

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### SPECIFICATIONS

TMC RP-338 Extended Life	Case New Holland®	Mazda MES MN 121D
TMC RP-330	Cummins® CES 14603	Mercedes Benz® DBL 7700
ASTM D-3306	Detroit Diesel® Bulletin 7SE298	Nissan NES M5509
ASTM D-4985	EMD M.I. 1748E	Saab Scania® 6901
ASTM D-6211	Ford M97B44-A, ESE FM97B18-C	Toyota TSK 2601G
ASTM D-5216	Freightliner 48 - 22880	Waukesha 4-1974D
CID - A - A - 52624	GM® 1899M and 1825M	Volvo® (Spec No. 1286083)
SAE J 1034, J1941 and JASO M 324 and JIS K 2234	Iveco®	
BMW® N 600 69.0	John Deere® 8650-5	
	John Deere® JDM HD24	

### TEST RESULTS

#### ASTM D 1384-GLASSWARE CORROSION TEST

Metal	Allowable Weight Loss	Typical Weight Loss AC8
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 Result AC-8
1.0mg / cm <sup>2</sup> / week	0.3

#### ASTM D2809—CAVIATION EROSION CORROSION

Rating (minimum)	AC-8
8	8

For more information on this product please contact Austech Chemicals on 07 3204 8511.

### PRODUCT CODES / QUANTITIES

#### Available in Concentrate Form

A/AC8/5	5L Plastic Bottle (Carton of 4)
A/AC8/20	20L Plastic Cube
A/AC8/200	200L Metal Drum
A/AC8/IBC	1,000L Intermediate Bulk Container [IBC]

#### Available in 50% Premix using Demineralised Water

A/AC8-50/5	5L Plastic Bottle (Carton of 4)
A/AC8-50/20	20L Plastic Cube
A/AC8-50/200	200L Metal Drum
A/AC8-50/IBC	1,000L Intermediate Bulk Container [IBC]

Manufactured Colours: Green - Red - Blue