

Tru Grit AC- 9 COOLANT

Description

AC9 is a **premium quality**, organic, long life anti-boil/anti-freeze coolant concentrate. AC9 is based on carboxylate technology and contains no silicates, borates, phosphates, nitrites, nitrates or amines. AC9 is suitable for both automotive and heavy duty diesel engines.

AC9 contains 90% monoethylene glycol and a **double inhibitor package** ensuring ultimate corrosion protection and extended service life. Anti-boil and anti-freeze protection is equally afforded with a substantially higher rust and corrosion protection than competitor products.

AC9 is the ultimate in up to date coolant technology.

AC9 protects all metals found in cooling systems and gives excellent protection against cavitation's erosion and wet-sleeve liner pitting. It significantly increases the operating life of water pumps and exceeds corrosion performance levels required to meet Australian Standard AS2108.1-2004 and numerous performance specifications of OEM's including Ford & GMH. This coolant has been **independently verified** to all relevant ASTM's for automotive and heavy duty diesel use.



Applications

Provides maximum protection against 'hot spot' corrosion, common in aluminium cylinder heads. AC9 has a service life of up to 5 years / 500,000kms* in automotive applications and up to 6 years / 600,000kms / 6,000hrs* in heavy duty diesels. This has obvious environmental advantages as a result of fewer coolant changes. There are no deleterious effects on hoses or gaskets. (* at 50/50 dilution ratio) Has a proven record over many years with marine engines, mining equipment, taxi fleets, government departments, bus companies and several large fleet truck companies.

Typical Physical Characteristics

APPEARANCE:	MOBILE LIQUID
pH (50/50 vol/vol):	7.7 - 8.6
Glycol by Weight (gm/L):	1.0035
Density:	1.1103 kg/L (Concentrate)
Freezing Point:	-36.2°C (50% by Vol.)
Boiling Point:	108.2°C (50% by Vol.)
Reserve Alkalinity (mL):	4.6

Glassware Corrosion Test:	Pass (ASTM D-1384)
Aluminium Corrosion Test:	Pass (ASTM D-4340)
Water Pump Cavitation Test:	Pass (ASTM D-2809)
Foaming Tendencies Test:	Pass (ASTM D-1881)
Cummins Anti Scale Test:	Pass (per AES 14603)

Test Results

Metal	Allowable Weight Loss	Typical Weight Loss AC9
Copper	10mg / coupon	0.00
Solder	30mg / coupon	0.05
Brass	10mg / coupon	0.01
Steel	10mg / coupon	0.00
Cast Iron	10mg / coupon	0.03
Aluminium	30mg / coupon	0.14

ASTM D 4340—ALUMINIUM HEAT REJECTION TEST

Allowable Weight Loss	Typical Weight Loss AC9
1.0mg / cm ² / week	0.01

ASTM D 2809—CAVITATION EROSION CORROSION

Rating (minimum)	AC9
8	8

Specifications

AC-9 coolant is recommended in vehicles where the following performance levels are required;

AS 2108.1 : 2004 Type A	Mazda MES MN 1210	Komatsu KES 07.892
AFNOR NFR 15-601	Japanese JIS K 2234	Jenbacher
ASTM D3306, D4656, D4985	SAE J 1034 and JASO M 324	Lieberr MD 1-36-130
BS 6580	Volvo (spec. no. 1286083)	MAN 324 Type SNF
GM 6277 M	BMW N 600 69.0	Waukesha 4-1974D
GM 1825 M	Mercedes Benz MB-Approval 325.3	Meets the phosphate-free requirements of European

manufacturers

GM 1899 M
Ford ESE FM 97B18-C
Ford ESE M 978B4H-A

Nissan NES 5059 LLC
Cummins 92 T8-9
Saab FSD 8074

Meets the silicate-free
requirements
of
Japanese
Manufacturers

Ford ESE M 99B166-C
Toyota K2601G - 1G

Caterpillar 1 EO 535
DAF 742002/BTPS
606A/DCEA 615

PRODUCT CODES / QUANTITIES

A/AC9/1	1L Plastic Bottle (Carton of 12)
A/AC9/2.5	2.5L Plastic Bottle (Carton of 6)
A/AC9/5	5L Plastic Bottle (Carton of 4)
A/AC9/20	20L Plastic Cube
A/AC9/200	200L Metal Drum
A/AC9/IBC	1,000L IBC

Available in 50% Premix

A/AC9-50/5	5L Bottle (Carton of 4)
A/AC9-50/20	20L Plastic Cube
A/AC9-50/200	200L Metal Drum
A/AC9/IBC 1,000L IBC (Premixed with Demineralised Water)	A/AC9-50/IBC 1,000L IBC

AC-9 RED Available (Red Coolant)

A/AC9RED/5	5L Plastic Bottle (Box of 4)
A/AC9RED/20	20L Plastic Cube
A/AC9RED/200	200L Metal Drum