

## TRU GRIT AC- 9 COOLANT

### Description

TRU GRIT AC-9 is a **premium quality**, organic, long life anti boil/anti-freeze coolant concentrate. TRU GRIT AC-9 is based on carboxylate technology and contains no silicates, borates, phosphates, nitrites, nitrates or amines. TRU GRIT AC-9 is suitable for both automotive and heavy duty diesel engines.

TRU GRIT AC-9 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. TRU GRIT AC-9 is the ultimate in up to date coolant technology. TRU GRIT AC-9 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.

TRU GRIT AC-9 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

<b>Metal</b>	<b>Allowable Weight Loss</b>	<b>Typical Weight Loss TRU GRIT AC-9</b>
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

<b>Allowable Weight Loss</b>	<b>Typical Weight Loss TRU GRIT AC-9</b>
1.0mg / cm <sup>2</sup> / week	-0.01

### ASTM D 2809—CAVITATION EROSION CORROSION

Rating (minimum)	TRU GRIT AC-9
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/TRU GRIT AC-9/1	1L Plastic Bottle (Carton of 12)
A/TRU GRIT AC-9/2.5	2.5L Plastic Bottle (Carton of 6)
A/TRU GRIT AC-9/5	5L Plastic Bottle (Carton of 4)
A/TRU GRIT AC-9/20	20L Plastic Cube
A/TRU GRIT AC-9/200	200L Metal Drum
A/TRU GRIT AC-9/IBC	1,000L IBC

### Available in 50% Premix

A/TRU GRIT AC-9-50/5	5L Bottle (Carton of 4)
A/TRU GRIT AC-9-50/20	20L Plastic Cube
A/TRU GRIT AC-9-50/200	200L Metal Drum
A/TRU GRIT AC-9/IBC 1,000L IBC (Premixed with Demineralised Water)	A/TRU GRIT AC-9-50/IBC 1,000L IBC

### AC-9 RED Available (Red Coolant)

A/TRU GRIT AC-9RED/5	5L Plastic Bottle (Box of 4)
A/TRU GRIT AC-9RED/20	20L Plastic Cube
A/TRU GRIT AC-9RED/200	200L Metal Drum