



AC-9 COOLANT

AC-9 is a Premium Australian Formulated and Manufactured Long-Life Organic Coolant

For use in Automotive, Light Commercial, On/Off Road Transportation, Mining, Marine, Stationary Engine, and Industrial Cooling Applications

PRODUCT INFORMATION

AC-9 is a Premium Quality, Latest Generation Organic, Long-Life Anti-freeze / Anti-boil Coolant Available as a Concentrate or Premixed - Ready to Use - Product.

AC-9 is Formulated with Australian Made Carboxylate Technology Inhibitors and Contains no Silicates, Borates, Phosphates, Nitrites, Nitrates or Amines (NAPS-Free). As is Required by Many OEMs and Mandated by Many Countries.

AC-9 contains 90% High Grade Mono-Ethylene Glycol and Premium OAT Inhibitors, ensuring ultimate corrosion protection and extended service life.

AC-9 Protects all Cooling Systems and Heat Exchange Metals, Plastics, Soft Seals, and Rubbers Found in Modern Cooling Systems and Provides Superior Cavitation, Corrosion and Wet-Sleeve Liner Pitting Protection.

BENEFITS

- Australian Formulated and Manufactured
- Latest Generation OAT Technology
- NAPS-Free
- Appropriate for Light Duty, Heavy Duty & Industrial Applications
- Mixed Fleet Suitable, meets OEM Performance Specifications
- Extended Water Pump Seal Service Life (Silicate Free)
- Superior Alloy Metal Hot Spot Corrosion Protection
- Extended Service Life
- No SCA Filters or Boosters Required

SERVICE LIFE

Equipment Type	Maximum Service Life
Automotive	10 years / 1,000,000km
Heavy Duty Engines	10 years / 1,000,000km / 15,000hrs
Marine & Stationary	8 years / 32,000hrs

BLENDING

Equipment Type	Concentration
Automotive	33-50% by Volume
Heavy Duty Engines	50% by Volume
Marine & Stationary	50% by Volume

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TYPICAL PROPERTIES

Appearance	Mobile Liquid
Colour	Green, Red, Blue, Yellow *
pH (50/50 vol/vol):	7.7-8.6
Specific Gravity:	1.1103 kg/ (Concentrate)
Glycol by Weight (gm/L):	1.0035
Freezing Point:	-36.2°C (50% by Vol.)
Boiling Point:	108.2°C (50% by Vol.)
Reserve Alkalinity (mL):	4.6
DG Class:	Non-Dangerous Goods
Boiling Point (°C) ASTM D1120	Yes
Cummins Anti Scale Test per AES14603	Pass (per AES 14603)

Non DG



*Custom Dyed Products Can Be Supplied on Request.

TEST RESULTS

ASTM D4340 - ALUMINIUM HEAT REJECTION TEST

Allowable Weight Loss	AC-9 Result
1.0mg / cm ² / week	-0.01mg (gain)

ASTM D3809 – CAVITATION EROSION CORROSION

Rating Minimum	AC-9 Result
8	8

ASTM D 1384 - GLASSWARE CORROSION TEST

Metal	Allowable Weight Loss	Typical Weight Loss
Copper	10mg / coupon	0.0
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



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SPECIFICATIONS

AC-9 Coolant is Recommended Where the Following Performance Levels are Required.

Light Duty

AS 2108.1: 2004 Type A	Daewoo - Ethylene Glycol Coolant	Lexus Toyota - Super LL Coolant
AFNOR NFR 15-601	Daihatsu - Ethylene Glycol Coolant	Mazda - Ethylene Glycol Coolant
ASTM D3306, D4656, D4985	Dodge - Mopar HOAT	Mazda - FL22
BS 6580	FIAT - Parafllu UP	Mercedes Benz 325.0, 326.0
SAE J1034, SAE J1941	Ford - ESE M97B44-A, WSS M97B44	Mitsubishi - Long Life Coolant
Castrol Antifreeze NF	Ford - ESE M97-B18C, ESE	Nissan - EG Long Life Coolant
Caltex CX Engine Coolant	Glysantin G05, G12++, G30, G33, G34	Nissan - NES 5059 LLC, NES M 5509
GM 1825 M	Holden - GM6277M, GM1899M	Peugeot - Procor 2000 Glysantin G33
GM 1899 M	Holden - HN1897, HN2217	Porsche 000 043 203 78
Alfa Romeo - Parafllu UP	Holden HN2043	Renault - EG Long Life Coolant D
Audi Skoda Volkswagen - G12 G13	Honda Longlife Type 2 All Season	Subaru - Super Long-Life Coolant
BMW N 600 69.0	Hyundai - Ethylene Glycol Coolant	Suzuki - Ethylene Glycol Coolant
Citroen 9979.70/71/72	Jaguar - WSS-M97B44-A	Toyota - K2601G, K2601-1G
Daimler Chrysler MS-7170	Kia - Ethylene Glycol Coolant	Volvo
Daimler Chrysler MS-976	Land Rover Ethylene Glycol Coolant	VW - G12+, G12, G11, TL-774-C

Meets the phosphate-free requirements of European manufacturers

Meets the silicate-free requirements of Japanese manufacturers



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Heavy Duty

AFNOR NFR 15-601	Jenbacher (TA1000-0201)
ASTM D3306, D6210	John Deere (JDM H5)
ASTM D4656, D4985	Kenworth ALLCoo
Bergen Engines (2.12.01)	Komatsu (KES 07.892 2009)
BS 6580:2010	Liebherr (MD 1-36-130)
Caterpillar (1 EO 535, EC-1)	Mack (014 GS 17009)
Cummins CES (3666132, 14439, 14603)	MAN (324 Type SNF / 248)
DAF (742002)	Mercedes Benz (325.0)
DAF (BTPS 606A)	Mercedes Benz (325.5)
DAF (DCEA 615)	Mitsubishi FUSO Genuine Diesel LL Coolant
Dennis Eagle Fleetguard	MTU (MTL 5048)
Detroit (DFS93K217)	MWM (0199-99-2091/11)
Deutz (DQC CB-14)	Renault (41-01-001)
Freightliner Fleet Charge Powercool	Saab Scania® (6901)
FUSO (SAE J814-C)	SAE J 1034 and JASO M 324
Hino Genuine LL Coolant	Toyota (K2601G - 1G)
Isuzu (GM6277M & HN2217)	UD Long Life Coolant (Nissan)
IVECO Paraflu 11	Volvo (VCS)
IVECO (AC9-50)	Waukesha 4-1974D
Japanese JIS K 2234	Western Star ASTM D6210

Meets the phosphate-free requirements of European manufacturers

Meets the silicate-free requirements of Japanese manufacturers