

AC-9 COOLANT

**Long Life Organic Engine Coolant Type A Organic Acid Technology (OAT)
 Coolant - (Monoethylene Glycol)**

AC-9 is a premium grade long life organic coolant for use in all makes and models of vehicle including automotive and heavy duty diesel

TYPICAL PROPERTIES

Appearance	Mobile liquid <small>(Available in Green, Red, Blue or Yellow)</small>
pH (50/50 vol/vol):	7.7-8.6
Specific Gravity:	1.1103 kg/l (Concentrate)
Glycol by Weight (kg/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 (oC) ASTM D1120	Yes
Glassware Corrosion Test ASTM D1384	Pass (ASTM D-1384)
Aluminium Corrosion Test ASTM D4340	Pass (ASTM D-4340)
Water Pump Cavitation Test ASTM D2809	Pass (ASTM D-1881)
Cummins Anti Scale Test per AES14603	Pass (per AES 14603)



TEST RESULTS

ASTM D 1384 - GLASSWARE CORROSION TEST

<u>Metal</u>	<u>Allowable Weight Loss</u>	<u>Typical Weight Loss AC-9</u>
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

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TEST RESULTS

ASTM D 4340 - ALUMINIUM HEAT REJECTION TEST

<u>Allowable Weight Loss</u>	<u>Typical Result AC-9</u>
1.0mg / cm ² / week	-0.01

ASTM D2809 - CAVIATION EROSION CORROSION

<u>Rating (minimum)</u>	<u>AC-9</u>
8	8

PRODUCT CODES / QUANTITIES

Available AC-9 Concentrate

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 AC9-50 in Premix 50%

A/AC9-50/1 | 1L Bottle (Carton of 12)

A/AC9-50/5 | 5L Bottle (Carton of 4)

A/AC9-50/20 | 20L Plastic Cube

A/AC9-50/200 | 200L Metal Drum

A/AC9-50/IBC | 1,000L IBC (Premixed with Demineralised Water)

AC-9 Red, Blue or Yellow Coolant (Concentrate or Premix)

A/AC9COLOUR/5 | 5L Plastic Bottle (Box of 4)

A/AC9COLOUR/20 | 20L Plastic Cube

A/AC9COLOUR/200 | 200L Metal Drum

A/AC9COLOUR/1000 | 1,000L IBC

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SPECIFICATIONS (Cars)

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

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

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SPECIFICATION
 (Medium & HD Diesel)

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

AFNOR NFR 15-601	Liebherr MD 1-36-130
ASTM D3306	MAN 324 SNF / 248
ASTM D4656	Mack VCS Coolant
ASTM D4985	Mercedes Benz Spec. 325.0
BS 6580	Mercedes Benz 325.5
Caterpillar ELC	Mitsubishi FUSO Genuine Diesel LL Coolant
Caterpillar 1 EO 535	Saab Scania® 6901
Cummins 3666132	SAE J 1034 and JASO M 324
DAF 742002	Toyota K2601G - 1G
DAF BTPS 606A	UD Long Life Coolant (Nissan)
DAF DCEA 615	Volvo VCS
Dennis Eagle Fleetguard	Volvo VCS STD 418-0001
Freightliner Fleet Charge Powercool	Waukesha 4-1974D
FUSO SAE J814-C	Western Star ASTM D6210
Hino Genuine LL Coolant	
Isuzu (GM6277M & HN2217)	
IVECO Paraflu 11	
IVECO GM6038M	
IVECO AC9-50	
Japanese JIS K 2234	
Jenbacher	
Kenworth ALLCoo	
Komatsu KES 07.892	

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SPECIFICATION
(Medium & HD Diesel)

Meets the phosphate-free requirements of European manufacturers

Meets the silicate-free requirements of Japanese manufacturers