



OAT 100, HDD Organic Acid technology Coolant concentrate

6 years, 1,000,000 km or 12,000 hours

Product code s8430, May 3, 2005

Description ;

OAT 100 is a superior, fully formulated long life Heavy Duty Organic Acid Technology universal engine coolant based on carboxylate technology and contains no silicates, borates, phosphates, nitrites, nitrates or amines.

OAT 100 is suitable for both automotive and heavy duty diesel engines.

OAT 100 protects all metals found in cooling systems and gives excellent protection against cavitation, 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.

OAT 100 properties;

Appearance:	Red/Orange
pH (50/50 vol/vol):	7.7 - 8.6
Specific Gravity:	1.1103 kg/L (Concentrate)
Glycol by Weight (gm/L):	1.0035
Freezing Point:	-36.2oC (50% by Vol.)
Boiling Point:	108.2°C (50% by Vol.)
Reserve Alkalinity (mL):	4.6
DG Class:	Non Dangerous Goods Hazardous
Glassware Corrosion Test:	Pass (ASTM D-1384)
Aluminum 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)

OAT 100 meets or exceeds and is recommended where the following specifications are called for ;

Automotive;

AS 2108.1 : 2004 Type A .. AFNOR NFR 15-601 .. ASTM D3306, D4656, D4985 BS 6580 .. SAE J1034, SAE J1941 .. GM 1825 M GM 1899 M .. Alfa Romeo - Paraflu UP .. Audi Skoda Volkswagen - G12 G13 .. BMW N 600 69.0 .. Citroen 9979.70/71/72 .. Daimler Chrysler MS-7170, MS-976, Daewoo - Ethylene Glycol Coolant .. Daihatsu - Ethylene Glycol Coolant .. Dodge - Mopar HOAT .. FIAT/Alfa Romeo Paraflu UP .. Ford - ESE M97B44-A, WSS M97B44 Ford - ESE M97-B18C, ESE .. Glysantin G05, G12++, G30, G33, G34 .. Holden - GM6277M, GM1899M, HN1897, HN2217, HN2043 .. Honda Longlife Type 2 All Season .. Hyundai - Ethylene Glycol Coolant,

Jaguar - WSS-M97B44-A .. Kia - Ethylene Glycol Coolant .. Land Rover Ethylene Glycol Coolant .. Lexus Toyota - Super LL Coolant .. Mazda - Ethylene Glycol Coolant, Mazda - FL22, Mercedes Benz 325.0, 326.0 .. Mitsubishi - Long Life Coolant .. Nissan - EG Long Life, NES 5059 LLC, NES M 5509 .. Peugeot - Procor 2000 Glysantin G33 .. Porsche 000 043 203 78, Renault - EG Long Life Coolant D .. Subaru - Super Long Life Coolant .. Suzuki - Ethylene Glycol Coolant .. Toyota - K2601G, K2601-1G .. Volvo VW - G12+, G12, G11, TL-774-C

Heavy Duty diesel;

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

OAT 100 also meets the phosphate-free requirements of European manufacturers and the silicate-free requirements of Japanese manufacturers

