



Product Information:

ULTRALIFE MAX

LONG LIFE ORGANIC ACID TECHNOLOGY ANTIFREEZE COOLANT

Description

Ultralife MAX is a heavy duty, versatile antifreeze/coolant that provides long-life corrosion protection for all engine metals, including aluminium and ferrous alloys.

The coolant has been field tested and has proven to provide the following periods of protection:

- **650,000 km** (ca. 8,000 hours) in truck & bus-application or
- **250,000 km** (ca. 2,000 hours) for passenger cars or
- **32,000 hours** (or 6 years) for stationary engines.

It is recommended to change the coolant every five years or when above mileages or operating times are reached, whichever comes first.

Ultralife MAX provides long-life protection against all forms of *corrosion* by the use of optimised and patented organic corrosion inhibitors. Excellent and lasting high temperature corrosion protection is provided for the aluminium heat transfer surfaces contained in modern engines. Furthermore, Ultralife MAX offers excellent cavitation protection.

Features and Benefits

- Extended life
- Improved heat transfer
- Reduces repairs to thermostat, radiator and water pump
- Improved hard water stability, absence of silicates and phosphates
- Save time and money maintenance-free coolant
- Suitable for mixed fleets, one coolant for automotive and heavy duty applications
- Environmentally friendly by using carboxylic additives

Applications

Ultralife MAX may be used with confidence in engines manufactured from cast iron, aluminium or combinations of the two metals, and in cooling systems made of aluminium or copper alloys.

Solution % Vol.	Freezing Point °C
33	-20
50	-40

(For guidance purposes. Slight variations may occur from batch to batch)



ISO 9001
Quality
Management
Systems
CERTIFIED

ISO 14001
Environmental
Management
CERTIFIED

ISO 45001
Occupational
Health and Safety
Management
CERTIFIED

ISO 50001
Energy
Management
CERTIFIED





Performance Levels

ASTM D3306, D4656, D4985, D6210
BS6580
JIS K2234-2006 Class II: LLC (Japanese Standard)
SAE J1034
KS M 2142 (Korean Standard)
Ford WSS-M97B44-D
Mercedes-Benz 325.3
General Motors GM 6277M
MAN 324 type SNF
Volkswagen TL 774F
CNH MAT3624
Caterpillar GCM34, MWM 0199-99-2091/12
Cummins 85T8-2, IS Series u N14, CES 14603, CES 144439
MB 325.3, 326.3
Detroit DFS93K217
Deutz DQC CB-14
Fiat / Lancia 9,55513
GE Jenbacher TA 1000-0200
GE Waukesha
Liebherr MD1-36-130
Mahle Behr
Mazda MEZ MN 121D
Paccar DAF 74002
Paccar Leyland Trucks DW03245403
Renault Nissan 41-01-001/- -S Type D
Rolls Royce Power Systems MTU MTL 5048
Rolls Royce Power Systems Bergen 2.13.01
Suzuki Santana
Tata Motors JLR CMR 8229, STJLR 651.5003
Tedom
Thermo King

Van Hool
Volvo Mack 014 GS 17009
Volvo Renault Trucks 41-01-001/-, -S Type D
VW TL-774 D, TL-774 F, Skoda 61-0-0257
VW MAN 324 Typ SNF, Diesel and Turbo SE
VW MAN B&W AG D36 5600, B&W A/S
Wartsila SACM Diesel DLP799861
Wartsila 32-9011
Yanmar

Also suitable for use in:

AGCO Fendt
AGCO Valtra
Aston Martin
Perkins
Claas
GM Chevrolet, Saturn
GM Saab B 040 1065
Great Wall Motor Co. Ltd.
Hitachi
Isuzu
Irisbus Karosa
John Deere JDM H5
Kobelco
Komatsu 07.892 (2009)
Mitsubishi Heavy Industry
PSA Opel-Vauxhall GMW 3420
Volvo AB Penta
Volvo Construction / Trucks
VW Sert Pielstick

Physical Characteristics

Colour (Visual)	Fluorescent Orange
Ethylene glycol, % w/w	93 min.
Other glycols, % w/w	0.5 max.
Inhibitor content, % w/w	5
Water content, ASTM D1123, % w/w	5
Ash content, ASTM D1119, % w/w	1.1 typ.
Nitrite, amine, borate, silicate	nil
Specific gravity, ASTM D5931, 15°C	1.116 typ.
Specific gravity, ASTM D5931, 15°C	1.113 typ.
Equilibrium boiling point, ASTM D1120, °C	180 typ.
Reserve alkalinity (pH 5.5), ASTM D1121	6.2 typ.
pH, ASTM D1287, 20°C	8.6 typ.
Refractive Index, ASTM D1218, 20°C	1.430 typ.

Above figures based on average production values.

Part No.s: ULM020, ULM205



(TDS Ultralife MAX – 040620 Issue 1)