



COOLELF MDX -37°C

Ready-to-use coolant • Hybrid



DESCRIPTION

COOLELF MDX -37°C is a “long-life” coolant fluid based upon monoethylene glycol containing no amines, nitrites or phosphates.

COOLELF MDX -37°C coolant is recommended for all the cooling circuits in internal combustion engines, particularly MTU (all engines), MB (except EURO 6) and MAN systems.

COOLELF MDX -37°C figures as a “speciality” in our range of liquid coolants.



SPECIFICATIONS

COOLELF MDX -37°C meets the *international specifications* for antifreezes:

- AFNOR NFR 15-601
- BS 6580

The antifreeze used in **COOLELF MDX -37°C** is *officially approved* by the following manufacturers:

- Audi TL-774 C (G11)
- VW TL-774 C (G11)
- Skoda TL-774 C (G11)
- Seat TL-774 C (G11)
- GM-OPEL
- BMW GS 94000
- Volvo Cars 128 6083/002
- MB 326.0
- MTU - MTL 5048
- MAN 324 Type NF
- CATERPILLAR MWM 0199-99-2091/9
- Opel-GM GMW 3420
- Vauxhall GM 6277M (+B040 1065)
- Steyr-Daimler Puch N 05045
- Porsche TL-774 C (G11)
- Van Hool
- Volvo Construction 128 6083 / 002
- Volvo Trucks 128 6083 / 002

CHARACTERISTICS

COLOUR	-	GREEN
SPECIFIC GRAVITY AT 15 °C	ASTM D1122	1.076
PH, DILUTION 50% BY VOL.	ASTM D1287	8.1
ALKALINITY RESERVE (PH 3.5)	GFC PR L-110-03	7.7ML HCl 0.1N
TEMPERATURE AT WHICH CRYSTAL APPEAR, 50% DILUTION BY VOLUME	ASTM D1177	-37°C

The typical characteristics mentioned represent mean values

TOTAL LUBRIFIANTS
Immeuble Spazio
562, avenue du Parc de l'île
92029 Nanterre cedex
France

COOLELF MDX -37°C
Sheet updated: 11/15



This coolant used in accordance with our recommendations and for the application for which it is intended does not represent a special hazard. A safety data file conforming to the requirements of current EC legislation is available from your local trade consultant.



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APPLICATIONS

■ PROTECTION ALL YEAR ROUND

COOLELF MDX -37°C ensures maximum protection against freezing, until -37°C.

■ READY TO USE PRODUCT

COOLELF MDX -37°C is ready for use, as a mix with demineralised water.

■ LIFETIME

Recommended oil change interval:

It is recommended that the coolant fluid should be replaced every two years.

CUSTOMER BENEFITS

■ PROTECTION AGAINST CORROSION OF METALS, ESPECIALLY ALUMINIUM

COOLELF MDX -37°C provides an effective solution to the problems of corrosion affecting all the materials used in cooling circuits.

COOLELF MDX -37°C performs well in the corrosion tests required by the specifications: hot plate corrosion and glassware corrosion.

COOLELF MDX -37°C gives excellent protection against cavitation that can perforate liners and cause water pump problems.

■ HOMOLOGATION PROFILE COMPATIBLE WITH MTU MATERIALS

The additives in COOLELF MDX -37°C gives the coolant fluid:

- + A reserve of alkalinity (to neutralise the acids resulting from the combustion gases)
- + A resistance to foaming
- + A compatibility with hard water (maximum 40°F).

COOLELF MDX -37°C is also inert to elastomeric seals and paint.

HSE

All antifreezes and coolants based upon monoethylene glycol are regarded as special industrial wastes and must be disposed of in approved centres for environmental reasons.

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