



## MAINTAIN FRICOFIN LL

Premium Performance Coolant Additive based on monoethylene glycol. Free from nitrite, amine, phosphate and silicates.

### Description

MAINTAIN FRICOFIN LL is a long term anti-frost coolant concentrate based on mono ethylene glycol for heavy duty application as well as passenger cars and stationary combustion engines. MAINTAIN FRICOFIN LL is free of nitrites, amines, silicates and phosphates and is formulated using the high efficient OAT (Organic Acid Technology). MAINTAIN FRICOFIN LL prevents reliably high loaded engines from passenger cars and commercial vehicles from frost, overheating, corrosion and cavitation. This high efficient protection extends all in the cooling system present metals, specially aluminium.

### Application

MAINTAIN FRICOFIN LL is a coolant concentrate and must be diluted with water before application. Best concentration for application is 35vol% as minimum and 50vol% at maximum. Demineralized water fits best.

### Advantages/Benefits

- Universal usability (passenger cars, truck and stationary engines)
- Perfect for engines, cylinder heads and radiators made from aluminium.
- Extended drain intervals
- Protection from deposits, cavitation and corrosion
- Contains bittering agent

**Attention:** This product is recommended for use in combustion engines only.

### Specifications

- ASTM D 3306 TYPE I
- BS 6580:2010
- SAE J814
- FORD-WSS-M97-B44-D
- JAGUAR LAND ROVER STJLR.651.5003
- FVV Heft R443
- KSM 2142
- UNE 26-361-88/1

### Approvals

- Bez.Reg.Arnsbg. E62.12.22.64-2011-1
- CAT / MWM TR 0199-99-2091
- DAF 74002
- DEUTZ DQC CB-14
- MAN 324 TYPE SNF
- MB-APPROVAL 325.3

### FUCHS Recommendations

see Page 2

PI60461e, PMA, 08.02.2016, Page 1

While the information and figures given here are typical of current production and confirm to specification, minor variations may occur. No warranty expressed or implied is given concerning the accuracy of the information or the suitability of the products.

## MAINTAIN FRICOFIN LL

### FUCHS Recommendations

- AFNOR NFR 15-601 TYPE I
- ASTM D 4985
- SAE J1034
- ADE (ATLANTIS DIESEL ENGINES)
- BAIC GROUP FOTON Q-FPT 2313005-2013
- CATERPILLAR MAK A4.05.09.01
- CHRYSLER MS 12106
- CNH MAT 3624
- CUMMINS (ISBe Motoren b. DAF und Leyland)
- CUMMINS CES 14603, CES 14439
- DETROIT DIESEL 93K217
- FIAT 9.55523
- GM GMW 3420 (6277M)
- HYUNDAI MS 591-08
- JASO M325
- JIS K2234
- JOHN DEERE JDM H5
- KOMATSU AF-NAC (ready mix) (07.892 (2009))
- LIEBHERR MD 1-36-130
- MACK 014 GS 17009
- MAZDA MEZ MN 121 D
- PSA B 71 5110
- RENAULT 41-01-001/- -S Type D
- SAAB B 040 1065
- SKODA 61-0-0257
- TOYOTA TSK 2601G-8A
- VAUXHALL GME L1301
- VW TL 774-D/F (G12+ / different colour) VOLVO 128 6083/002 (=VOLVO TRUCKS, VOLVO CE, from MY 2005, VOLVO PENTA from MY 05/2010)



## TYPICAL CHARACTERISTICS

---

Density at 20 °C	DIN 51757	1.113 g/ml
Colour	DIN ISO 2049	orange ASTM
Flash Point, CoC	DIN ISO 2592	> 120 °C
Boilling Point	ASTM D 1120	> 160 °C
pH-Value	DIN 51 369	8.6

## Table of Mixing-Ratios

Frost protection	Parts MAINTAIN FRICOFIN LL	Parts Water
-20°C	1	2
-27°C	1	1.5
-40°C	1	1

PI60461e, PMA, 08.02.2016, Page 3

While the information and figures given here are typical of current production and confirm to specification, minor variations may occur. No warranty expressed or implied is given concerning the accuracy of the information or the suitability of the products.