

Premium antifreeze concentrate for advanced high-performance engines

FROSTOX® HT12® DI

Description

FROSTOX® HT12® DI is an environmentally-friendly break-in and corrosion protection agent for combustion engines on the basis of ethane-1,2-diol, which is formulated with so-called Si-OAT corrosion protection technology. This corrosion inhibitor system combines modern, carboxylic acid based corrosion inhibitor technology with the advantages of silicate antifreezes.

FROSTOX® HT12® DI contains a vapor corrosion inhibitor. Consequently, it protects all of the different metals and alloys used in the engine, including aluminum, in the vapor phase as well.

OEM approvals

FROSTOX® HT12® DI

Approved according to VW TL 774 H

Characteristics of FROSTOX® HT12® DI Concentrate

| | | |
|--------------------|-------------------------------|--------------|
| Boiling point | > 170 °C | ASTM D 1120 |
| Pour point | < -15 °C | DIN ISO 3016 |
| Density (20 °C) | 1.122–1.127 g/cm ³ | DIN 51757 |
| Viscosity (20 °C) | 24–28 mm ² /s | DIN 51562 |
| Refraction nD20 | 1.432–1.438 | DIN 51423 |
| pH value (20 °C) | | |
| • Concentrate | 8.0–8.5 | ASTM D 1287 |
| • 33 vol. % | 8,1–8,5 | ASTM D 1287 |
| Water content | max. 4% | DIN 51777 |
| Flash point | > 110 °C | DIN 51758 |
| Reserve alkalinity | > 10 ml 0.1 m HCl | ASTM D 1121 |

The above data represent average values that were valid when this Technical Information Bulletin went into print. They do not have the status of a product specification. Specified values are the subject of a separate product specification leaflet.

Performance characteristics

FROSTOX® HT12® DI meets all requirements of ASTM D3306 – especially the corrosion tests according to ASTM D1384 and ASTM D4340, as well as many other tests.

The following water mixture ratios are recommended:

| | |
|-----------------------------|---------------------|
| 40% (v/v) FROSTOX® HT12® DI | Freeze point -25 °C |
| 50% (v/v) FROSTOX® HT12® DI | Freeze point -37 °C |
| 60% (v/v) FROSTOX® HT12® DI | Freeze point -52 °C |

Delivery form

FROSTOX® HT12® DI comes colorless or in dyed form.

The following container sizes are available:



60

200

liters



1,000 liters



20–24 metric tons

Please inquire for additional container sizes if required.