# MERAK VDL

INDUSTRY

Lubricants

## Description

Merak VDL oils belong to the group of oils commonly referred to as compressor oils. Their careful formulation includes, in addition to high-quality base oils, the necessary additives to increase their resistance to oxidation and to ensure good anti-wear and anti-corrosion properties.

They are specially recommended for the lubrication of the cylinders and mechanisms of rotary and alternate compressors, whether for air or inert gases, with high discharge temperatures (up to 220ºC).

## Properties

- Minimum tendency to form deposits.
- Excellent resistance to oxidation.
- High resistance to rust.
- Excellent anti-foam properties.
- High capacity to eliminate air.
- High load capacity.

## Quality levels

- They comply with DIN 51506-VDL and VCL ISO 46, 68 and 100 specifications.
- ISO 6743 Part 3 DAA, DAG
- Results certified by OIL-TECH, Ref. Al-34877.

## Technical specifications

| | UNIT | METHOD | VALUE | | | |
|---|---|---|---|---|---|---|
| ISO Grade | | | **32** | **46** | **68** | **100** |
| Viscosity at 100 ºC | cSt | ASTM D 445 | 5.4 | 6.8 | 8.5 | 11 |
| Viscosity at 40 ºC | cSt | ASTM D 445 | 32 | 46 | 68 | 100 |
| Viscosity index | | ASTM D 2270 | 100 | 98 | 98 | 97 |
| Density at 15 ºC | $g/cm^3$ | ASTM D 4052 | 0.87 | 0.880 | 0.880 | 0.885 |
| Pour point | ºC | ASTM D 97 | -15 | -12 | -12 | -12 |
| Flash point | ºC | ASTM D 92 | 215 | 220 | 230 | 245 |
| Water separability | min. | ASTM D 1401 | <25 | <25 | <25 | <25 |
| Resistance to rusting | | | | | | |
| - Conradson carbon | % | DIN 51352 Part 2 | 0.9 | 1.2 | 2.7 | 3.0 |
| - Evaporation losses | % | DIN 51352 Part 2 | 9 | 5 | 4,5 | 3 |
| No. neutralisation (TAN) | mgKOH/g | ASTM D 974 | 0.2 | 0.2 | 0.2 | 0.2 |
| Rust, Methods A and B | | ASTM D 665 | Pass | Pass | Pass | Pass |

A safety data sheet is available on request.

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Technical data sheet for Lubricants. Revision 5. September 2013.