

Description

Merak VDL range of products has been developed to reach the right lubricant performance in most of air compressors including screw air compressors where the lubrication is a real challenge. Its extraordinary high-quality base oils and the additives selected increase its oxidation resistance thus ensuring good protection against corrosion and wear along the compressor unit. The lubricant also helps to cool down the system very efficiently which prevents overheating and reducing possible premature degradation of the oil. Thanks to its ashless additive technology, this lubricant performs extremely good in exhaust valve lubrication, avoiding sticking due to electric shocks deposits. It has the highest RPVOT in the market for GII technology thereby pushing the limit to 6000 running hours in the most demanding screw air compressors.

Properties

- Resistance to oxidation, ageing and deposit formation.
- Excellent rust resistance.
- Exceptional antifoaming and air release capacity to avoid cavitation and to ease the pumpability.
- High load capacity to prevent wear in the compressor chamber.
- Easy Water Split from lubricant if there is a pollution.
- Permits water to readily separate from the oil in the system reservoir
- Its Lower volatility means less oil contamination of compressed air, greater demister efficiency and reduced oil consumption.

Quality levels

- DIN 51506-VDL and VCL ISO 46, 68 y 100
- ISO 6743/3 DAA, DAG
- Certified results for OIL-TECH ref AI-34877

Technical specifications

	UNIT	METHOD	VALUE		
ISO Grade			32	46	68
Viscosity at 100 °C	cSt	ASTM D 445	5.4	6.8	8.6
Viscosity at 40 °C	cSt	ASTM D 445	32	46	68
Viscosity index		ASTM D 2270	110	110	111
Density at 15 °C	g/cm ³	ASTM D 4052	0.858	0.862	0.864
Flash point	°C	ASTM D 92	210	226	246
Air release (50°C)	min	ASTM D3427	2	2.7	3
Pour point	°C	ASTM D 97	-24	-21	-15
Rust protection (A&B methods)		ASTM D 665	Pass	Pass	Pass
TAN	mg KOH/g	ASTM D 974	0.08	0.08	0.08
Conradson Carbon after ageing passing air	%	DIN 51352/1	0,05	0,05	0,05
RPVOT (Oxidation Stability)	min	ASTM D2272	1902	1933	2026
Distillation Residue after distilling 80%	%	ASTM D1160	0.03	0.03	0.03

The above mentioned characteristics are typical values and should not be considered product specifications.

A safety data sheet is available on request.

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Technical data sheet for Lubricant RAG500. Revision 1. March 2020.