

Tornado Series Premium Air Compressor Oil

MAG Tornado Series, These products are a range of premium quality, low carbon forming compressor oils. Lubricants for compressors very dependent upon the type of compressor e.g. reciprocating, rotary, screw and also the gas being compressed e.g. air, nitrogen and refrigerants etc. With these features firmly in mind the range of compressor oils have been designed for a wide range of manufacturers specifications and requirements. This range of compressor oils are manufactured using carefully selected mineral oils. Inhibitors are added to control oxidation, a problem encountered in the high temperature areas of the discharge zones and anti-wear to protect all the mechanical parts in a compressor.

Performance Claims:

DIN 51506	VBL, VCL, VDL
ISO/DP 6521	DAA, DAB, DAH, DAG

Features & Benefits:

- High oxidation stability.
- Good thermal stability.
- No sludge formation.
- Very low acid number.
- Good demulsifying behavior.
- Good foam behavior.

Applications:

MAG Tornado Series, ISO 32 and ISO 46 are recommended for the lubrication of screw type compressors. ISO 68 and ISO 100 are recommended for the lubrication of reciprocating (piston) type compressors. Both ISO 68 and 100 can be used in sliding vane applications where oils of these viscosities are required. ISO 150 is suitable for the lubrication of sliding vane compressors. It is vitally important when selecting the required lubricant that the equipment manufacturers recommendation is adhered to. A 2000-hours drain period is customary with this type of lubricants range under service temperatures up to 150°C. It is vitally important

when selecting the required lubricant that the equipment manufacturers recommendation is adhered to. Always comply with the manufacturers drain periods.

PLEASE DON'T USE THESE PRODUCTS IN BREATHING AIR COMPRESSORS OR MEDICAL EQUIPMENT.

Typical Characteristics:*

TEST DESCRIPTION	METHOD	UNIT	Tornado Series				
			32	46	68	100	150
ISO VG			32	46	68	100	150
Density @ 25°C	ASTM D 4052	g/cc	0.850	0.856	0.862	0.870	0.880
Kinematic Viscosity @ 40°C	ASTM D 7042	cSt	32.1	46.5	68.2	99.3	151.0
Kinematic Viscosity @100°C	ASTM D 7042	cSt	5.5	7.0	9.0	11.75	15.30
Viscosity Index	ASTM D 2270	-	107	107	106	105	102
Pour Point	ASTM D 6749	°C	-39	-39	-39	-36	-30
Flash Point (COC)	ASTM D 92	°C	228	240	248	252	258
Demulsibility @ 54°C (82°C)	ASTM D 1401	Minutes	5	7	9	(8)	(9)
Foaming Sequence I	ASTM D 892	ml / ml	10 / 0	10 / 0	10 / 0	10 / 0	10/0
Foaming Sequence II	ASTM D 892	ml / ml	20 / 0	20 / 0	20 / 0	20 / 0	20/0
Foaming Sequence III	ASTM D 892	ml / ml	10 / 0	10 / 0	10 / 0	10 / 0	10/0
Acid Value - TAN	ASTM D 974	mg KOH/g	0.1	0.1	0.1	0.1	0.15

* The information prepared indicates the typical properties that are considered as representative. Some variation which will not affect performance is possible.

Health & Safety:

Please refer to the relevant health and safety data sheet, a copy of which is freely available to all of our customers.