

TURBINE COMPRESSOR OIL

Petromin Turbo Compressor Oil Series is high quality, inhibited oils. These products are formulated with Group III synthetic base stocks having high VI, further enhanced by the addition of oxidation inhibitors for exceptional thermal & oxidation stability together with specially chosen additives that gives effective deposit control & keep the system clean.

These inhibitors provide resistance to thermal degradation over long periods in presence of entrained air & catalyzing metals. Petromin Turbo Compressor Oils exhibit good demulsibility, permitting water & other contaminants to readily separate from the oil in the system reservoir.

BENEFITS

- Excellent oxidation stability.
- Effective protection against air entrainment and good air release properties.
- Protection against rust/corrosion for long periods.
- Efficient demulsibility for rapid separation of water.

SPECIFICATION & APPROVALS

Petromin Turbo Compressor Oil Series meets or exceeds the requirements of:

- BS 489-1999
- US STEEL 120
- DIN 51515 Part I
- DIN 51517 Part II
- 26-SAMSS 084
- SIEMENS TLV901304
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- ISO 8068 L-TSA

APPLICATIONS

Petromin Turbo Compressor Oil Series is designed for use in water, steam and gas turbines bearing lubrication where system oil requirements include a long operating life and rust protection, good water separation and air release characteristics.

They are also suited for high-speed gear units and other application requiring high quality rust and oxidation inhibited type oils. Recommended as Rust & Oxidation inhibited oils for Turbo compressor lubrication applications.



PRODUCT DATA SHEET

PRODUCT CHARACTERISTICS*

PROPERTIES	UNITS	VALUE		TEST METHOD
ISO Grade	-	32	46	DIN 51511
Specific Gravity @ 15 °C	-	0.861	0.850	ASTM D-4052
Viscosity @ 40 °C	mm ² /s	32.1	46.06	ASTM D-445
Viscosity @ 100 °C	mm ² /s	5.72	7.42	ASTM D-445
Viscosity Index	-	120	125	ASTM D-2270
Flash Point, COC	°C	218	235	ASTM D-92
Pour Point	°C	-15	-12	ASTM D-97
Color, ASTM	-	1.0	1.0	ASTM D-1500
Neutralisation NO.	mg KOH/g	0.10	0.1	ASTM D-2896
Ca (as contaminants)	ppm	<5	<5	ASTM D-4951
Four Square Gear Oil Test (FZG)	Stage Passed	10	10	DIN ISO 14635-1
Air Release @ 50 °C	minutes	3.5	4.0	ASTM D-3427
RPVOT	Minutes	> 1000	> 1000	ASTM D-2272
Oxidation Stability Hrs to 2.0 Acid number (minimum)	Hours	> 10000	> 10000	ASTM D-943
Product Code		5510	5520	

*The information and figures given here are typical of current production and conform to specification, minor variations may occur.

