

## TURBINE COMPRESSOR OIL 32

**Petromin Turbo Compressor Oil 32** is high quality; inhibited oils formulated with severely refined base stocks and finely balanced additive system to meet the lubrication demands of modern high performance industrial turbines. These inhibitors provide exceptional resistance to thermal degradation over long periods in presence of entrained air & catalyzing metals.

### 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 32** meets or exceeds the requirements of:

- BS 489-1999
- ASTM D-4304 Type I, II & III
- DIN 51515 Part I & II
- DIN 51524-1
- GEK 101941A, 107935A, 27070, 28143B, 32568J, 46506E
- ARAMCO 26-SAMSS-088
- ISO 8068 L-TSA, L-TGA and L-TGE
- SIEMENS TLV901304, TLV901305
- US STEEL 120
- SOLAR ES 9224 CLASS II

### APPLICATIONS

**Petromin Turbo Compressor Oil 32** 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	-	<b>32</b>	DIN 51511
Specific Gravity @ 15 °C	-	0.861	ASTM D-4052
Viscosity @ 40 °C	mm <sup>2</sup> /s	32.1	ASTM D-445
Viscosity @ 100 °C	mm <sup>2</sup> /s	5.72	ASTM D-445
Viscosity Index	-	120	ASTM D-2270
Flash Point, COC	°C	218	ASTM D-92
Pour Point	°C	-15	ASTM D-97
Color	-	1.0	ASTM D-1500
Neutralization NO.	mg KOH/g	0.10	ASTM D-2896
Copper strip Corrosion	-	1a	ASTM D-130
Four Square Gear Oil Test (FZG)	Stages Passed	10	DIN ISO 14635-1
Air Release @ 50 °C	Minutes	3.5	ASTM D-3427
Oxidation Stability Hrs to 2.0 Acid Number (min)	Hours	> 10000	ASTM D-943
Rust Test	-	Pass	ASTM D-665-A
Foam Test, foam after 10 minutes of setting			ASTM D-892
Sequence I	ml/ml	0/0	
Sequence II	ml/ml	20/0	
Sequence III	ml/ml	0/0	
RPVOT (Unmodified)	Minutes	> 1100	ASTM D-2272
RPVOT (Modified)	Minutes	85% of unmodified value	ASTM D-2272
Zn (as contaminants)	ppm	< 2	ASTM D-4951
Ca (as contaminants)	ppm	< 5	ASTM D-4951
Water Content	ppm	50	ASTM D-6304
Product Code		<b>5510</b>	

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

