PETROMIN

PRODUCT DATA SHEET

TURBINE OIL EP

PETROMIN TURBINE OILS EP is high-quality rust and oxidation oils with extreme pressure characteristics. They are formulated from premium quality, chemically stable, high VI base stocks, which are further enhanced by the addition of oxidation inhibitors.

These inhibitors provide resistance to thermal degradation over long periods of time in the presence of entrained air and catalyzing metals. PETROMIN TURBINE OILS EP exhibit good demulsibility, permitting water and other contaminants to readily separate from the oil in the system reservoir.

BENEFITS

- Excellent water separation.
- The higher FZG ratings fulfills the requirements of geared turbines, which require EP properties.
- Very high oxidation stability.
- Long service life.
- Effective anti-foam properties.

SPECIFICATION & APPROVALS

Petromin TURBINE OILS EP meets or exceeds the requirements of:

- AGMA 250.04
- David Brown Table M
- ARAMCO 26 SAMSS-45

APPLICATIONS

PETROMIN TURBINE OILS EP are suitable for use in water and steam turbines bearing lubrication and cooling which require mineral group I base oils.

In addition, PETROMIN TURBINE OILS EP promotes outstanding performance in hydraulic systems, gear cases, bearing and other industrial units.

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PRODUCT CHARACTERISTICS*

PROPERTIES	UNITS	VALUE				TEST METHOD
ISO Grade	-	**32**	**46**	**68**	**100**	DIN 51511
Specific Gravity @ 15 ºC	-	0.874	0.879	0.884	0.889	ASTM D-4052
Viscosity @ 40 ºC	mm2/s	31.95	46.03	68.07	100.2	ASTM D-445
@ 100 ºC	mm^2/s	5.4	6.7	8.9	11.3	ASTM D-445
Viscosity Index	-	102	101	100	98	ASTM D-2270
Flash Point, COC	^oC	220	238	246	258	ASTM D-92
Pour Point	^oC	-12	-9	-9	-9	ASTM D-97
Color	-	1.5	1.5	L 2.0	2.5	ASTM D-1500
FZG Test	Fail Load Stage	+11	+11	+11	+11	DIN 51354
Neutralization NO.	mg KOH/g	0.16	0.16	0.16	0.16	ASTM D-974
Oxidation Stability hrs to 2.0 Acid number (min)	-	3800	3200	2800	2500	ASTM D-943
Product Code		**4510**	**4520**	**4530**	**4540**	

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

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