

PERTAMINA TURBOLUBE XT

SERIES



High performance turbine oils (EP type) formulated with hydrocracked base oil and selected additives.

Pelumas turbin (tipe EP) berkinerja tinggi yang diformulasikan dari hydrocracked base oil dan aditif pilihan.

Typical Characteristics

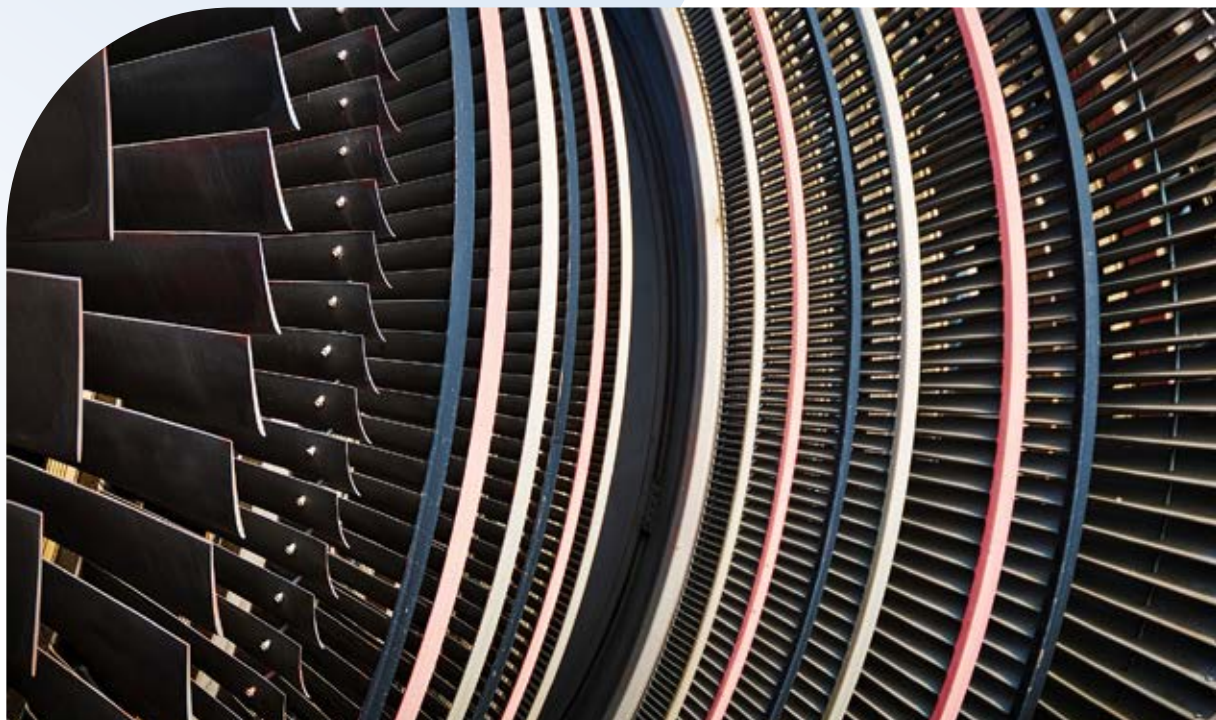
Characteristics	Test Method	TURBOLUBE XT		
ISO Viscosity Grade	-	32	46	68
Density at 15 °C, kg/L	ASTM D4052	0.8367	0.8582	0.8572
Kinematic Viscosity at 40 °C, cSt	ASTM D7279	32.05	46.09	68.02
at 100 °C, cSt	ASTM D7279	6.184	7.170	9.580
Viscosity Index	ASTM D2270	145	115	121
Flash Point, °C	ASTM D92	252	240	272
Pour Point, °C	ASTM D97	-15	-15	-18

SPECIFICATIONS / APPROVALS

- MS004-MA-CL002
- HTGD 90117 V0001 NE
- GE GEK 32568F, 32568H, 32568J
- GE GEK 46506D, 46506E
- GE GEK 101941A
- GE GEK 107395A
- GE GEK 28143A
- DIN 51524 Part 1
- DIN 51515 Part 1 & 2
- BS 489
- MIL-L-17672D, MIL-L-17331-G, MIL-17331B
- AIST 120, 125
- Fives Cincinnati P-38, P-54, P-55
- AFNOR E-48600 HL
- Siemens AG TLV 9013 04/01
- Solar ES9-224U
- ASTM D4304 Type II (EP)
- Westinghouse 21T0591 and 55125Z3
- CEEB Standard 207001

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SUPERIORITIES

- Excellent thermal and oxidation stability, effective in preventing sludge and varnish formation to provide longer drain interval.
- Excellent demulsibility for quick water separation.
- Excellent air release characteristic.
- Excellent anti wear characteristic to provide protection from excessive wear and extend turbine parts life time.

APPLICATIONS

TURBOLUBE XT series is recommended for many types of turbines systems such as in bearing, in hydraulic systems also in gearbox turbine system for combined cycle turbine system, large heavy-duty and smaller gas turbine, steam turbine, turbines with heavy load gear.

KEUNGGULAN

- Memiliki kestabilan panas dan oksidasi yang sangat baik, sangat efektif mencegah terbentuknya *sludge* dan *varnish* sehingga memperpanjang umur penggunaan pelumas.
- Memiliki kemampuan pemisahan air yang sangat baik.
- Memiliki karakteristik pelepasan udara yang sangat baik.
- Memberikan perlindungan terhadap keausan berlebih sehingga memperpanjang umur penggunaan komponen turbin.

PENGUNAAN

TURBOLUBE XT series direkomendasikan untuk berbagai macam turbin dan sistem turbin baik pada *bearing*, sistem hidrolik maupun roda gigi pada turbin sistem *combined cycle*, *gas turbine* tugas sedang dan berat, *steam turbine*, turbin dengan beban roda gigi yang tinggi.