

SAFROTATE

TURBINE OIL

DESCRIPTION

SAFROTATE are premium ashless lubricants for the lubrication of gas, water and steam turbines as well as turbo compressors.

ADVANTAGES

- High oxidation and good thermal stability, excellent hydrolytic stability
- Anti-wear and extreme pressure (EP) performance
- Prevents sludge formation
- Good protection against corrosion of ferrous and non-ferrous metals
- Very low acid number
- Good demulsifying and foam behavior

TECHNICAL INFORMATION

CHARACTERISTICS	METHOD	UNIT	SAFROTATE 32	SAFROTATE 46	SAFROTATE 68
Specific Gravity (at 20 °C)	ASTM D4052	Kg/l	0.856	0.854	0.860
Color	ASTM D1500	-	1.0	1.0	1.0
Viscosity at 40 °C	ASTM D445	cSt	32	46	68
Viscosity at 100 °C	ASTM D445	cSt	5,6	7,2	9,3
Viscosity Index	ASTM D2270	-	118	117	113
Flash point	ASTM D92	°C	224	228	234
Pour point	ASTM D97	°C	-38	-35	-32

APPLICATION

- Heavy duty industrial gas turbines
- Centrifugal machine, rotor or screw compressors, vane pumps, centrifugal pumps
- All type of lightly loaded gearboxes light load, vacuum pumps, conveyors, electric motors, low or medium pressure hydraulic systems that do not require wear resistance

PERFORMANCES

SAFROTATE meets the following standards:

- Fives Cincinnati P-38 (ISO VG 32), P-55 (ISO VG 46), P-54 (ISO VG 68)
- General Electric GEK 32568, GEK 107395, GEK 46506
- Siemens TLV 9013 04
- Alstom HTGD 90 117
- Solar Turbines ES9-224
- DIN 51524-1; 51515-1
- Parker Denison HF-0 Bench Tests
- AIST 125
- ISO 8068
- AGMA 9005 E02-RO

SERVICES AND EQUIPMENT

In addition to its product ranges, MotulTech can provide tools and services for the maintenance and in-use monitoring of your lubricants. Please contact your technical sales representative.

IMPORTANT NOTICE

All information and rules about health, safety and the environment are mentioned on the safety data sheet. It provides information about risks, safety procedures and first aid emergency rules. It clarifies all procedures to implement in the case of an accidental spillage, and for the disposal of the product and its effects on the environment.

Our product contains natural additives which are likely to modify the colour of the concentrates without altering its performance. The specifications of our products are definite only at the time of order and are subject to our general sale and guarantee conditions. To give our customers the latest technical developments, the general characteristics of our products may vary. The safety data sheet of this product is available at www.motul.com

VILUBE member of **MOTUL Asia Pacific**

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