

ORITES TN 32



Lubrication

Hydrocracked mineral oil based turbine oil for the lubrication and seal-up of ammonia synthesis turbo compressor.

APPLICATIONS

Lubrication of turbo compressors

- **ORITES TN 32** is used for the lubrication of bearings and couplings of the hydraulic control system and the seal-up of the rotary compressor.

ADVANTAGES

Long service life of the machine and high reliability

- **ORITES TN 32** meets the specifications of a turbine oil: excellent air release and desmulsibility performances. Very good foam control.
- High performance Gr III base oil: outstanding antioxidant behavior and rust protection.
- Very low sulfur content: maximum catalyst protection.
- **ORITES TN 32** is chemically inert towards ammonia: it avoids deposit formation in critical parts of the installation, thus reducing operating costs.
- Good compatibility with elastomers and metals improves the seal-up and the yield.
- **ORITES TN 32** is used successfully in the following compressors: DRESSER-RAND, THERMODYN...

TYPICAL CHARACTERISTICS	METHODS	UNITS	ORITES TN 32
Density at 15°C	ISO 3675	kg/m ³	843
Viscosity at 40°C	ISO 3104	mm ² /s	32
Viscosity at 100°C	ISO 3104	mm ² /s	5.9
Viscosity index	ISO 2909	-	133
Pour point	ISO 2592	°C	- 39
Flash point (open cup)	ISO 3016	°C	238
Air release	ISO 9120	min	1
RPVOT	ASTM D 2272	min	2555
Desemulsibility at 55°C	ISO 6614	min	5
4-balls wear	ASTM D 4172	mm	0.43
Ammonia compatibility	Internal	-	ok

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS
Industrie & Spécialités
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This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.
A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or down loaded from www.quick-fds.com.