

Opt-Max Turbonix 32, 46, 68, 100

TURBINE OIL

Opt-Max Turbonix 32, 46, 68, 100 are formulated with carefully selected base stocks and additives that provide excellent lubrication and protection for gas and steam turbine systems.

Product Description

Opt-Max Turbonix 32, 46, 68, 100 are premium quality, high performance turbine oils which offer outstanding protection and performance for gas and steam turbine systems. These products are designed with outstanding resistance to oxidation and chemical degradation that help increase turbine operation reliability, enabling reduced downtime and extended oil change life.

Features and Benefits

- Excellent oxidation stability which helps to provide trouble free operation for extended periods in severe operating environments.
- Good air release and anti-foaming properties which help to prevent erratic operation and pump cavitation.
- Excellent demulsibility which assures good lubricant film strength and reduced wear through quick water separation.
- Enhanced anti-rust and anti-corrosion protection which helps to protect metal surfaces from rust and corrosion.

Applications

- Lubrication for gas, steam and water turbine systems.
- General bearing lubrication of industrial machineries such as turbo-blowers and air compressors.
- Marine turbine propulsion machinery and equipment.

Performance Standards

Opt-Max Turbonix 32, 46, 68, 100 meet the following performance requirements:

- DIN 51515, Part I
- Cincinnati Machine P-38, P-54, P-55 and P-57
- GE GEK - 32568

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Specifications

Product Properties		Opt-Max Turbonix 32	Opt-Max Turbonix 46	Opt-Max Turbonix 68	Opt-Max Turbonix 100	Testing Methods
ISO Viscosity Grade	-	32	46	68	100	-
Kinematic Viscosity (40°C)	mm ² /s	32.6	47.1	67.7	101.7	ASTM D445
Kinematic Viscosity (100°C)	mm ² /s	5.7	7.0	8.8	11.3	ASTM D445
Viscosity Index	-	110	108	103	97	ASTM D2270
Density at 15 °C	Kg/m ³	857.0	864.0	872.0	880.0	ASTM D4052
Flash Point (open)	°C	220	224	222	245	ASTM D92
Pour Point	°C	-33	-15	-18	-12	ASTM D97

* Above product properties are indicative and subject to change without prior notice.

Storage and Handling

- All storage equipment, tanks, pipes, valves and etc. apparatus have to be cleaned thoroughly and inspected to be clean for use before transferring or transporting Opt-Max Turbonix 32, 46, 68, 100.
- Opt-Max Turbonix 32, 46, 68, 100 must be stored in dedicated storage tanks/ equipment and it is recommended to be stored in an indoor controlled environment.
- Storage tanks/equipment must be waterproof, mist-proof and free from other mechanical particles.
- Opt-Max Turbonix 32, 46, 68, 100 must be clearly labelled properly during the entire transportation process to prevent the risk of mixing with other petrochemical product.

Health and Safety

Opt-Max Turbonix 32, 46, 68, 100 are unlikely to present any significant health or safety hazard when properly used in the recommended application. These products must always be handled with care, particularly avoiding skin contact. For further guidance on Product Health & Safety refer to the appropriate Opt-Max Turbonix 32, 46, 68, 100 Material Safety Data Sheet.