

Description

MAXFLUID Turbex T 32 is a premium quality industrial turbine lubricant developed by MAXFLUID for the lubrication of steam turbines, gas turbines, hydroelectric turbines, turbo-compressors, and associated circulating systems. Formulated with highly refined base oils and advanced ashless, zinc-free additive technology, Turbex T 32 delivers excellent oxidation stability, rust and corrosion protection, rapid water separation, and superior air release characteristics.

Designed to meet the demanding requirements of modern turbine systems, Turbex T 32 helps maximize equipment reliability, extend lubricant service life, and reduce maintenance costs in industrial and power generation applications.

Performance Features & Benefits

Excellent Oxidation Stability

Advanced base oil technology combined with a balanced antioxidant system provides outstanding resistance to oxidation and thermal degradation, helping extend oil service life and minimize sludge and varnish formation.

Superior Rust & Corrosion Protection

Protects critical turbine and circulating system components against rust, corrosion, and moisture-related damage during operation and shutdown periods.

Rapid Air Release & Foam Control

Specially formulated to resist foam formation and quickly release entrained air, reducing the risk of pump cavitation, excessive wear, and lubricant oxidation.

Outstanding Demulsibility

Provides excellent water-separating characteristics, allowing water contamination to be removed efficiently from the system, minimizing corrosion and maintaining optimum lubrication performance.

Reliable Equipment Protection

Helps maintain clean systems and protects bearings, gears, and hydraulic control components, contributing to improved operational reliability and longer equipment life.

Applications

MAXFLUID Turbex T 32 is recommended for:

- Industrial steam turbine lubrication systems
- Light-duty gas turbines without EP gear oil requirements
- Hydroelectric turbine lubrication systems
- Turbine-generator bearing lubrication
- Centrifugal and axial compressors
- Dynamic turbo-compressors and pumps
- Industrial circulating systems requiring R&O (Rust & Oxidation Inhibited) oils
- General industrial applications where long oil life and oxidation resistance are required

Product Advantages

- Long service life
- Excellent thermal and oxidation stability
- Zinc-free formulation
- Outstanding rust and corrosion protection
- Rapid water separation
- Excellent air release properties
- Effective foam suppression
- Enhanced system cleanliness
- Reliable protection under continuous operation

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES	UNIT	METHOD	Turbex T 32
ISO Viscosity Grade	-	ISO 3448	32
Density @ 15°C	kg/m ³	ASTM D4052	840
Kinematic Viscosity @ 40°C	cSt	ASTM D445	32
Kinematic Viscosity @ 100°C	cSt	ASTM D445	5.45
Viscosity Index	-	ASTM D2270	105
Flash Point (COC)	°C	ASTM D92	215
Pour Point	°C	ASTM D97	-33
Water Demulsibility	minutes	ASTM D1401	15
Steam Demulsibility	seconds	ASTM D445	150

The values shown are typical characteristics and may vary within normal manufacturing tolerances.

Health and Safety

MAXFLUID Turbex T 32 is a high-quality industrial turbine oil formulated for use in steam turbines, gas turbines, hydroelectric turbines, compressors, and circulating systems. Under normal operating conditions and when handled in accordance with recommended practices, the product is not expected to present significant health or safety hazards.

Avoid prolonged or repeated skin contact and prevent contact with eyes. Appropriate personal protective equipment (PPE), including safety glasses and protective gloves, should be worn when handling the product. Ensure adequate ventilation in enclosed areas and avoid inhalation of oil mists.

In the event of skin contact, wash thoroughly with soap and water. If the product comes into contact with the eyes, rinse immediately with plenty of clean water and seek medical attention if irritation persists. If swallowed, do not induce vomiting; seek medical advice immediately.

Store in tightly closed containers in a cool, dry, and well-ventilated area away from direct sunlight, excessive heat, and sources of ignition. Prevent spills from entering drains, waterways, or soil.

For detailed information regarding safe handling, storage, transportation, and disposal, please refer to the latest Safety Data Sheet (SDS) for MAXFLUID Turbex T 32.