

TECHNICAL PRODUCT SHEET

TITANUS EP LIFT ISO 68



DESCRIPTION

TITANUS EP LIFT is a high performance and durability industrial grade specialized gear oil, specially designed for lubricating electric gear/chain systems that drive vertical/horizontal transfer mechanisms. With high quality hydro-treated bases and a specially selected, high pressure (lead-free) additive package, TITANUS EP LIFT reduces noise levels and increases the life of gears, chain and other parts subject to high, continuous loads and therefore high levels of wear, and in conjunction with ambient and operating temperature changes.

APPLICATIONS

TITANUS EP LIFT is being practically odorless and extremely thermally stable, high quality, high energy efficient ISO 68 fluidity lubricant intended specifically for use in escalator and taxiway systems operating at airports, metro stations, shopping centers and buildings, and installed specifically for their ability to safely transport, continuously, large numbers of people (large loads) over time (long life cycle), quietly (low noise levels). TITANUS EP LIFT meets the requirements of most manufacturers of vertical/horizontal transport systems.

SPECIFICATIONS

DIN	51517 Part 3 CLP (2008/11)	AGMA	250.04
ISO	6743-6	AGMA	9005-D 94
ISO	12925		

PROPERTIES

TITANUS EP LIFT is formulated with a specialized, low-odor blend and advanced Extreme Pressure (EP) additive technology, this product delivers excellent thermal stability and outstanding protection against oxidation, rust, and wear. It offers superior water separability and air release properties, ensuring reliable performance and compatibility with most sealing materials.

BENEFITS

TITANUS EP LIFT is practically odorless, minimizes friction and wear for improved energy efficiency and system cleanliness, reducing maintenance costs. It extends oil life, prevents corrosion, and eliminates system malfunctions while reducing leaks and noise levels for reliable, long-term performance.



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PHYSICAL-CHEMICAL CHARACTERISTICS

TITANUS EP LIFT	METHOD	ISO 68
Density at 15°C, g/cm ³	ASTM D4052	0.885
Viscosity, Kinematic (cSt) 40°C	ASTM D445	68
Viscosity, Kinematic (cSt) 100°C	ASTM D445	8.6
Viscosity index	ASTM D2270	97
Flash point, COC, °C	ASTM D92	230
Pour point, °C	ASTM D97	-18
Copper corrosion	ASTM D 130	1b
Demulsibility, min.	ASTM D1401	10
FZG gear scuffing test, A/8.3/90	DIN 51354	12
FZG micropitting test @90°C	FVA 54-7	10

The above mentioned characteristics represent mean values.

STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

