



## TITANUS EP

### INDUSTRIAL GEAR OIL

#### DESCRIPTION

**Titanus EP** are high quality extreme pressure oils designed to lubricate industrial gear units. They contain sulphur - phosphorous additive system and are free of lead compounds. They have outstanding thermal stability and high load-carrying capacity.

#### APPLICATIONS

**TITANUS EP** series are suitable for closed industrial gears subject to shock and high loads conditions. They are highly recommended for large and small heavily loaded spur, bevel, spiral bevel, helical gears that are lubricated by immersion in a lubricant bath. Ideal for gear motors and drives, gear transmissions, bearings circulating & splash lubricated systems. Also suitable for worn components.

#### PROPERTIES - BENEFITS

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High film strength excellent load carrying capacity	Gear teeth protection from wear, surface distress, and premature failure.
Extreme pressure properties	Superior antiwear protection in boundary lubrication's condition
Improved thermal and oxidation stability	Minimal degradation even when operating in conditions of oxidation. Prolongation of service life
High resistance to emulsion formation. Rapid de-aeration	Smooth system operation. Protection against corrosion.
Fully compatible with seal materials.	Reduction of oil leaks.

#### PHYSICAL CHARACTERISTICS

TITANUS EP	METHOD	ISO 68	ISO 100	ISO 150	ISO 220	ISO 320	ISO 460	ISO 680
Density at 15°C, g/cm <sup>3</sup>	ASTM D1298	0,88	0,888	0,89	0,895	0,897	0,900	0,91
Viscosity, Kinematic, (cSt) 40 °C	ASTM D445	68	100	150	220	320	460	675
Viscosity, Kinematic, (cSt) 100°C	ASTM D445	8,6	11,1	14,6	18,8	24,0	30,3	37,1
Viscosity index	ASTM D2270	98	95	95	95	95	95	90
Flash point, COC, °C	ASTM D92	232	248	256	260	268	280	280
Pour point, °C	ASTM D97	-18	-18	-15	-15	-15	-12	-12
Emulsion test, min	ASTM D1401	10	10	20	20	20	30	-
Copper corrosion	ASTM D130	1b	1b	1b	1b	1b	1b	1b
Foam test, ml	ASTM D892	0-0-0	0-0-0	0-0-0	0-0-0	0-0-0	0-0-0	0-0-0
ZFG stage	DIN 51354	12+	12+	12+	12+	12+	12+	12+

The mentioned characteristics represent mean values

#### SPECIFICATIONS

U.S. STEEL 224, AGMA 250.04, DIN 51517 CLP Part III