



INDUSTRIAL TITANUS EP



DESCRIPTION

TITANUS EP series consists of high quality extreme pressure (EP) oils designed to lubricate industrial gear units. They contain a top of the class sulfur/phosphorous additive system and are free of lead compounds. They have outstanding thermal stability and high load-carrying capacity and service life.

APPLICATIONS

TITANUS EP oils are suitable for closed industrial gears subject to shock and high load 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 or circulation lubrication.

CHARACTERISTICS-BENEFITS

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

PHYSICAL-CHEMICAL CHARACTERISTICS

TITANUS EP	METHOD	68	100	150	220	320	460	680	1000
Density at 15°C, g/cm ³	ASTM D1298	0,8850	0,8870	0,8890	0,8900	0,8910	0,8910	0,8920	0,8950
KV (cSt) 40°C	ASTM D445	68	100	150	220	320	460	680	952
KV (cSt) 100°C	ASTM D445	8,6	11,1	14,55	18,7	24,0	30,3	40,6	51,0
Viscosity index	ASTM D2270	97	96	95	95	95	95	98	99
Flash point, COC, °C	ASTM D92	230	240	256	260	268	280	300	300
Pour point, °C	ASTM D97	-18	-18	-15	-15	-15	-15	-18	-18
Demulsibility, min	ASTM D1401	10	10	20	20	20	30	-	-
Copper corrosion	ASTM D130	1b	1b	1b	1b	1b	1b	1b	1b
FZG gear scuffing test, A/8.3/90	DIN 51354	12	12+	12+	12+	12+	12+	12+	12+

The above mentioned characteristics represent mean values.

SPECIFICATIONS

AIST (U.S. Steel) 224; David Brown S1.53.101; ISO 6743-6 (ISO-L-CKB, ISO-L-CKC, ISO-L-CKD, ISO-L-CKG); DIN 51517 Part 3 CLP; ANSI (AGMA) 9005-E02