



4 EP/RT

PRODUCT DESCRIPTION

I-tech series of industrial gear oils are fully formulated highly adhesive, lead-free extreme pressure gear oils with red indicator dye. These gear oils are designed to exceed the requirements of US Steel 224, AGMA 9005-D94.04, Cincinnati Milacron P-59DIN51517 part 3 and David Brown ET 33/80 specifications for EXTREME PRESSURE gear oils.

FEATURES

- *I-tech series gear oils with their synergistic blend of additives exhibit extremely high load bearing capability, without the use of lead or chlorine based additives.*
- *I-tech series gear oils are specially formulated with highly thermally stable extreme pressure additives and these, in conjunction with a synergistic blend of oxidation inhibitors, give outstanding high temperature performance, resistance to viscosity increase and sludge formation.*
- *I-tech series gear oils have a high level of adhesion and metal wetting properties to resist sling off and leakage, ensuring maximum gear protection.*
- *I-tech series gear oils show very impressive water separation properties.*
- *I-tech series gear oils, as a result of the complete additive system, provide excellent corrosion protection to both ferrous and copper-based alloys.*
- *I-tech series industrial gear oils are recommended for all enclosed gears and speed reducers where an AGMA (4 through 8) oil is required.*
- *I-tech series resists staining of yellow metals and resists foaming.*

Description	ASTM Test Method	Condition	
PRODUCT CODE			4 EP /RT
Appearance			Clear, adhesive
color			Red
ISO VG			150
SAE#			Light 90
AGMA #			4EP
Viscosity, cSt	D-445	40C	150
Viscosity, cSt	D-445	100C	14.5
Viscosity Index	D-2270		103
Flash Point C	D-92	COC	270
Fire Point, C	D-92	COC	295
Pour Point, C	D-97		-30
API Gravity	D-1250	15 C	28.6
Density, lb/gal.	D-1298		7.35
Timken OK load, lbs	D-2780		80
4 Ball wear scar, mm	D-2266	1200 rpm, 167F, 40kg, 1hr	0.3
4 Ball EP	D-2783		
Weld Load, Kg.			300
LWI, Kg.			52
FZG failure stage	DIN51354		13
Falex EP	D-3233		
Failure load, lbs			2000
Torque @ failure			20
Torque @ 1000 lbs			15
Copper Corrosion	D-130	3 hrs @ 100 C	1
Turbine Rust Test	D-665		
Distilled Water			Pass
Salt Water			Pass
Demulsibility	D-1405	82.2 C	
Oil-water-emulsion, ml			39-45-0 (15)
Demulsibility	D-2711		
Free water, ml			87
Oil in water			0.1
Emulsion			0.1

