



8 8A 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			8 EP /RT	8A EP /RT
Appearance			Clear, adhesive	Clear, adhesive
color			Red/brown	Red/brown
ISO VG			680	1000
SAE#			Heavy 140	250
AGMA #			8 EP	8AEP
Viscosity, cSt	D-445	40C	680	1000
Viscosity, cSt	D-445	100C	39	50
Viscosity Index	D-2270		95	95
Flash Point C	D-92	COC	300	310
Fire Point, C	D-92	COC	325	335
Pour Point, C	D-97		-15	-9
Density, lb/gal.	D-1298		7.63	7.78
Oxidation %vis.increase				
Precipitation No.			Trace	Trace
Timken OK load, lbs	D-2780		90	90
4 Ball wear scar, mm	D-2266	1200 rpm, 167F, 40kg, 1hr	0.3	0.3
4 Ball EP	D-2783			
Weld Load, Kg.			300	300
LWI, Kg.			55	55
FZG failure stage	DIN51354		13	13
Falex EP	D-3233			
Failure load, lbs			2000	2500
Torque @ failure			21	25
Torque @ 1000 lbs			14	12
Copper Corrosion	D-130	3 hrs @ 100 C	1	1
Turbine Rust Test	D-665			
Distilled Water			Pass	Pass
Salt Water			Pass	Pass
Demulsibility				
Oil-water-emulsion, ml	D-1405	82.2 C	39-45-0 (15)	39-45-0(15)

