

**Type**

**Industrial Gear Oil TWS**

**Description**

Industrial gear oils are high performance mild Extreme-Pressure fluids developed for industrial gearboxes, especially for industrial applications such as oil bath lubrication of heavy and/or shock loaded gear drives, worm wheel gears and circular lubrication. Industrial gear oil is based on high quality mineral base oils, in combination with a performance additive package, to offer an excellent protection against oxidation, extend equipment lifetime, low foam tendency and very good anti-wear properties.

**Properties**

- Excellent protection of metal parts as well as non-ferro metals against rust and corrosion, even in presence of water.
- Very efficient demulsibility to allow faster water-oil separation
- High thermo-oxidative stability to resist deposit formation, to provide an enhanced cleanliness of the system and to enable longer service intervals.
- Excellent seal compatibility to prevent any deterioration
- Superb load carrying capacity to protect gears against wear and scuffing.

**Performance level**

DIN 51517-PART 3 (CLP)  
ISO 12925-1  
US STEEL 224  
ANSI/AGMA 9005-E02  
TIMKEN OK LOAD 75 lbs  
David Brown S1.53.101  
FZG LOAD STAGE 12

**Typical properties**

ISO		<b>68</b>	<b>100</b>	<b>150</b>	<b>220</b>	<b>320</b>	<b>460</b>	<b>680</b>
Density @ 15°C	Kg/L	0.875	0.885	0.889	0.895	0.898	0.907	0.900
Viscosity at 40°C	Cst	68	100	150	220	320	460	680
Viscosity at 100°C	Cst	8.6	11.2	14.6	18.8	24.0	31.0	39.0
Viscosity Index		95	95	95	95	95	95	95
Pour point	°C	-27	-24	-24	-24	-18	-15	-15
Flash point C.O.C.	°C	210	220	220	230	240	250	250
Operating temperature	°C	-20/150	-20/150	-20/150	-20/150	-15/150	-10/150	-10/150

*Note: given typicals may vary in a normally accepted range*