



## GearLUBE XP Series Gear Oils

August 2011

### Product;

GearLUBE XP series gear oils are extra high performance gear oils having outstanding extreme pressure characteristics and load-carrying properties and are suitable for use in all types of enclosed industrial gear drives.

GearLUBE XP series gear oils are formulated on Group 2 base stock technology to meet very high stress by providing extra protection for gears, bearings and seals.

GearLUBE XP series gear oils are formulated to protect gear teeth from Microscopic wear, known as micro-pitting.

GearLUBE XP series gear oils exceeds the industry requirement for bearing wear protection and provide maximum wear and corrosion protection whilst maintaining compatibility with common gearbox seal materials.

### Recommendations;

GearLUBE XP series gear oils are recommended for industrial spur, helical and bevel enclosed gears with circulation or splash lubrication, operating at temperatures up to 100°C. They are particularly suitable for gear sets working under heavy or shock loads and may also be used in non-gear applications include highly loaded and slow speed plain and rolling contact bearings.

GearLUBE XP is available in ISO grades, 100, 150, 220, 320, 460 and 680

GearLUBE XP100 meets or exceeds;

U.S. Steel 224  
David Brown S1.53.101  
Mueller Weingarten DT 55 005

AGMA 9005-E02  
Cincinnati EP gear oils

DIN 51517 part 3: 2004-01  
ISO 12925-1 CKC/ D

<i>Typical properties;</i>	<i>Kinematic Viscosity @ 40°C,</i>	<i>100 cSt</i>
	<i>Kinematic Viscosity @ 100°C,</i>	<i>11.6 cSt</i>
	<i>Viscosity index</i>	<i>104</i>
	<i>Pour point</i>	<i>-26°C</i>
	<i>Specific gravity</i>	<i>0.880</i>
	<i>Colour</i>	<i>clear</i>
	<i>FZG Micropitting, FVA 54, Fail Stage/ Rating</i>	<i>10/high</i>
	<i>FE 8 wear test, DIN 51819-3, D7,5/80-80. Roller wear, mg</i>	<i>0</i>
	<i>Timken OK load, minimum lbs</i>	<i>60</i>
	<i>4 Ball EP, load wear/weld point min Kg</i>	<i>45/250</i>
	<i>Thermal Stability, 72hrs @ 101 deg C ...</i>	
	<i>Viscosity change</i>	<i>5% max increase</i>
	<i>Sludge, mg/100ml</i>	<i>25mg max</i>
	<i>CU weight loss</i>	<i>10 mg max</i>
	<i>FE appearance</i>	<i>no discolouration</i>

