



SB-C5S Synthetic EP Gear Oils

ISO 150, 220, 320, 460, 680



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Permian Production Lubricants' SB-C5S line of Synthetic Industrial Gear Oils are engineered with Permian Extreme Pressure (PXP) positive-charged (+) Lubricants which are attracted and bond to metal's negative-charged (-) surfaces to maximize protection for the most demanding duty oilfield equipment. Our PXP Synthetic gear lubricants are formulated for heavy load, continuous-duty enclosed industrial gear boxes, differentials, and final drives where extreme pressures, shock loading, and wide temperature ranges are expected.

Permian Production Lubricants Gear Oils are made from the highest quality base stocks and are fortified with the most advanced additive chemistry and cationic technology available today. They provide excellent load carrying ability, extreme pressure (EP) properties, wear resistance, oxidation stability.

Features & Benefits

- Extreme Pressure Protection
- Cationic (+) creates lubricant film metal bond
- High Temp Stability
- Low Temp Fluidity
- High Shear Stability
- Repels Moisture
- Resistant to Abrasion from Solids
- Highest Co-efficient of friction reduction
- Extreme Gear Protection
- Resists Thermal Degradation
- Foam Inhibitor
- Excellent Demulsibility
- Robust Corrosion & Oxidization Protection
- Reduces Friction, Torque, and Heat

SB-C5S Meets The Following Requirements

- DIN 51517-3 (CLP)
- GL-5
- GLS97
- J2360
- GLS99, GLS100
- U.S. Steel 224
- Joy TO-SHEP (ISO320)
- AGMA 9005 – AGMA EP Gear Lubricants
- MIL Spec MIL-PRF-2105E
- MIL Spec MIL-L2105D GO-H/S
- GO-J

Properties

SAE	75W -90	90W	85W -140	85W -140	140W
ISO Grade	150	220	320	460	680
Rust Test, ASTM D665A and B	Pass	Pass	Pass	Pass	Pass
Four-Ball EP Weld, ASTM D2783, kg	275	275	275	275	275
Timken OK Load, lb	210	210	210	210	210
FZG, Fail Load Stage		>12	>12	>12	>12
Viscosity, Kinematic cSt at 40°C cSt at 100°C	142 19.9	209 26.9	304 35.8	437 47.0	646 63.0
Viscosity, Saybolt SUS at 100°F SUS at 210°F	728 100	1075 132	1570 174	2267 227	3366 304
Viscosity Index	162	164	165	166	168
Flash Point, °C(°F)	242(468)	240(464)	240(464)	240(464)	242(468)
Pour Point, °C(°F)	-51(-60)	-51(-60)	-39(-38)	-36(-33)	-30(-22)