



UNION ENERGY UNIGEAR SP

Product Description:

Union Energy Unigear SP Industrial Gear Oil is a premium extreme pressure, high load industrial gear oil, suitable for use in most industrial gear oil applications. Union Energy Unigear SP Industrial Gear Oil is formulated from high quality base stocks and technology advanced additive which designed to deliver high extreme pressure resistance across wide range of viscosities under extreme condition. The oils available in ISO viscosity grades 100, 150, 220, 320 and 460.

Union Energy Unigear SP Industrial Gear Oil has been developed to provide maximum protection from wear and extreme pressure (EP) for heavy duty durability. It possess excellent anti-oxidation, anti-rust and anti-corrosion to minimizes sludge and deposit formation as well as providing optimum balance of thermal stability for gearboxes. These high performance properties reduce the maintenance cost and longer service life of equipments.

Applications / Benefits:

- ▣ Effective water separation to ensure perfect lubrication at both high and low temperature.
- ▣ Superior cleanliness for sludge free gear sets.
- ▣ Excellent wear and high EP protection.
- ▣ Outstanding thermal stability.

Typical Characteristics:

Test Description	Method	100	150	220	320	460
ISO Viscosity Grade	-	100	150	220	320	460
Specific Gravity @ 15 °C	ASTM D 4052	0.869	0.879	0.889	0.897	0.904
Flash Point, °C	ASTM D 92	240	238	240	242	258
Pour Point, °C	ASTM D 97	-24	-15	-12	-9	-6
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	100.6	151	226.4	333	480
cSt @ 100°C	ASTM D 445	11.9	14.8	19.5	24.6	30.4
Viscosity Index	ASTM D 2270	108	100	98	95	92
Color	ASTM D 1500	<1.5	<2.0	<2.5	<3.0	<3.5

Specifications, Approvals & Recommendations:

- AGMA 9005-F16 AS
- David Brown S1.53.101 Type M, A & E
- DIN 51517 Part 1, 2 & 3
- Fives Cincinnati EP Gear Oils
- GM LS 2 EP Gear Oil
- ISO 12925-1 CKC/CKD
- U.S. Steel 224