



Performance Biolubricants and Colloidal Cleaners

Gear Oils

WISE Gear Oils are designed to meet or exceed OEM and equipment requirements for their respective SAE grades and API classifications. In addition to excellent performance, these gear oils are formulated from environmentally responsible, renewable, non-GMO agricultural plant resources.

We believe Earth's environmental future rests in the use of renewable materials.

E.P. Gear Oil

E.P. (Extreme Pressure) Gear Oils are designed to meet and exceeds the U.S. Steel 224, AGMA 250.04, DIN 51517, Part 3, David Brown DB S1.53.101, and Cincinnati Milacron E.P. performance requirements. E.P. Gear Oils are recommended for lubricating spur, helical, bevel, and worm gear configurations which are subject to heavy loading or shock loading and are designed for heavy-duty applications. The formulas have combined energy conserving agricultural and synthetic base stocks with mild E.P./antiwear additives. The result is an Ultimately Biodegradable¹ product which has the long life heat stability but which additionally offers the protection advantages of increased gear life through extremely high film strength during operating temperatures. E.P. Gear Oils are environmentally responsible lubricants that are formulated from renewable agricultural plant resources.

Typical Specifications & Features

Industrial Grade Replacement		Light		Medium Light	Medium	Heavy-Medium	
ISO grade Replacement	46	68	100	150	220	320	460
AGMA Replacement	E.P. 1	E.P. 2	E.P. 3	E.P. 4	E.P. 5	E.P. 6	E.P. 7
API Gravity @ 60°F. (D-287)	28.90	27.50	25.2	25.7	25.2	25.3	24.3
Pounds/Gallon @ 60°F.	7.35	7.42	7.53	7.55	7.53	7.52	7.56
Specific Gravity @60°F. (D-287)	0.882	0.890	0.903	0.90	0.903	0.90	0.908
VISCOSITIES:							
@100°C., cSt. (D-445)	8.26	11.84	14.5	20	24.1	34	49
@40°C., cSt. (D-445)	41.73	65.37	86.3	131	166	252	382
Viscosity Index (D-2270)	178	179	175	175	177	182	194
Flash Point, COC, °C (D-92)	260	272	288	288	280	280	280
Pour Point, °C (D-97)	-34	-30	-25	-22	-20	-18	-12
Copper Corrosion 3hr @ 100°C (D-130)	1A	1A	1A	1A	1A	1A	1A
4-Ball Wear (D-4172)	.30	.30	.30	.30	.30	.30	.30
4-Ball EP Weld Point (kg)	250	250	250	250	250	250	250
4-Ball EP Load Wear Index	47.86	47.86	47.86	47.86	47.86	47.86	47.86
FZG Test (DIN 51517)	12	12	12	12	12	12	12
Demulsibility (D-2711)	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Foam Sequence I, II, III (D-892)	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Rust Prevention (D-665)	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Timken Load, OK Load (lbs) (D-2782)	70	70	70	70	70	70	70
Biodegradation classification	Ultimate	Ultimate	Ultimate	Ultimate	Ultimate	Inherent	Inherent

- (1) Energy Conserving Formulas. Because of the super high viscosity index (VI) of the stability base stocks, these products are lighter therefore more energy efficient at room temperatures up to 40 C but provide a more protective heavier viscosity than mineral based formulas at operating temperatures of 60 C and above.
- (2) Super high viscosity index provides wider temperature performance
- (3) Fortified with additives to resist wear, oxidation, rust and foam
- (4) More fire resistant and improved heat dissipation

This product is based on a proprietary and patented anti-oxidant, anti-wear, and cold flow technology. Base stocks are non-GMO agricultural vegetable oils. This stabilized technology provides high performance in high and low temperature applications, reducing oil thickening and deposits.

¹ Ultimate Biodegradation (Pw1) within 28 days in ASTM D-5864 Aerobic Aquatic Biodegradation of Lubricants. Passes Fish and Game LC-50 toxicity test

To Order

Fax to 831-728-1753 or call 800-491-9473 for Customer Service
Visit www.wisesolutions.net or Email sales@wisesolutions.net

Available Size
Container

5 gal. Pail	55 gal. Drum	330 gal. Tote

Quantity (min.)