

FS Synthetic Extreme Pressure (EP) Gear Oil

Description

Full synthetic oil engineered for enclosed industrial gearboxes operating under extreme pressures and/or temperatures and shock loads. Formulated with thermally stable extreme-pressure (EP) additives.

Features and Benefits:

- Proven wear and micropitting protection
- Dampens shock-loads and delivers excellent wear protection for gears and bearings
- Exceeds a wide range of performance specifications for versatility and convenience
- Resists heat and deposits for superior gear and bearing cleanliness
- Low pour points provide reliable cold-temperature start-up efficiency and lubrication
- Excellent seal compatibility helps reduce leaks and extend seal life

Product Availability:

FS Synthetic EP Gear Lubricant ISO 150

5 Gal. Pail Item #155439
55-gal. Drum Item #155440

FS Synthetic EP Gear Lubricant ISO 220

5 Gal. Pail Item #155441
55-gal. Drum Item #155442

FS Synthetic EP Gear Lubricant ISO 320

5 Gal. Pail Item #189690
55-gal. Drum Item #189689
275-gal. Bulk Item #189688

FS Synthetic EP Gear Lubricant ISO 460

5 Gal. Pail Item #155443
55-gal. Drum Item #155444

FS Synthetic EP Gear Lubricant ISO 68, 100 & 680

Check price pages for item number.

Meets or Exceeds:

ISO VG	68	100	150	220	320	460	680
U.S. Steel* 224	X	X	X	X	X	X	X
AGMA 9005-E02	X	X	X	X	X	X	X
DIN 51517 Part 3			X	X	X	X	X
David Brown* S1.53.101	X	X	X	X	X	X	X
ISO 12925-1 (CKD)	X	X	X	X	X	X	X
Cincinnati Machine*	X	X	X	X	X	X	X

*All trademarked names are the property of their respective owners and may be registered marks in some countries. No affiliation or endorsement claim, express or implied, is made by their use. All products advertised here are developed by AMSOIL for use in the applications shown.

**Minimum order quantities required



Typical Properties:

Test / Description	Spec.						
ISO VG ASTM D2422	68	100	150	220	320	460	680
AGMA (EP)	2	3	4	5	6	7	8
Viscosity @ 100°C, cSt ASTM D445	11.5	14.6	19.7	26.8	35.7	49.2	74.3
Viscosity @ 40°C, cSt ASTM D445	71.7	100.4	149.1	222.1	324.1	457.4	678.6
Viscosity Index ASTM D2270	153	151	152	155	156	168	190
Specific Gravity (g/ml) ASTM D1298	0.8529	0.8571	0.8607	0.8654	0.8676	0.8686	0.8633
Density, (lb/gal) ASTM D1298	7.102	7.137	7.167	7.207	7.224	7.233	7.189
Color ASTM D1500	L0.5	L0.5	L0.5	L0.5	L0.5	L0.5	L0.5
Flash Point, °C (°F) (COC) ASTM D92	238 (460)	236 (457)	238 (460)	238 (360)	246 (475)	244 (471)	250 (482)
Fire Point, °C (°F) (COC) ASTM D92	278 (532)	280 (536)	284 (543)	280 (536)	286 (547)	284 (543)	306 (583)
Pour Point, °C (°F) ASTM D97	-50 (-58)	-50 (-58)	-44 (-47)	-40 (-40)	-40 (-40)	-35 (-31)	-31 (-24)
Micropitting @ 90°C Load Stage, GFT Classification FVA 54	-	-	>10 GFT= High	>10 GFT= High	>10 GFT= High	>10 GFT= High	>10 GFT= High
FZG Failure Stage (A/8.3/90)	>12	>12	>12	>12	>12	>12	>12
FZG Failure Stage (A/16.6/90)	-	-	>12	>12	>12	>12	>12
FAG FE-8 Bearing Test (DIN 51589-3)	-	-	Pass	Pass	Pass	Pass	Pass
Four Ball EP ASTM D2783							
a) Weld, kg	250	250	250	250	250	250	250
b) Load Wear Index, kg	45	52	54	55	58	54	54
Falex B (Failure), lbf ASTM D3233	2750	2750	3000	3000	3000	3250	3250
Timken OK Load, lbs ASTM D2782	>90	>90	>90	>90	>90	>90	>90
Foam Tendency ASTM D892							
SEQ I (ml)	0/0	0/0	0/0	0/0	0/0	0/0	0/0
SEQ II (ml)	10/0	10/0	10/0	10/0	10/0	10/0	25/0
SEQ III (ml)	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Demulsibility ASTM D1401	40/40/0 (25)	40/40/0 (25)	40/40/0 (25)	40/40/0 (25)	40/40/0 (25)	40/40/0 (25)	40/40/0 (25)
Copper Corrosion 121°C, 3hr ASTM D130	1B	1B	1B	1B	1B	1B	1B
Rust Prevention ASTM D665 A&B	Pass	Pass	Pass	Pass	Pass	Pass	Pass