



Synzol EPG 800 Series

Dyna-Plex 21C® Synzol EPG 800 Series Oils are synthetic extreme pressure (EP) industrial gear oils for use in enclosed spur, bevel, herringbone, helical, and chain drive gear boxes and other applications that require an AGMA EP or AGMA S gear oil. They are formulated to outperform petroleum EP gear oils and provide excellent gear and bearing protection in extreme hot and cold temperature, heavily loaded environments.

Dyna-Plex 21C Synzol EPG 800 Series Oils properties:

- Sulfur/Phosphorus additives for EP protection
- Rust and Oxidation inhibited
- Shear stable
- Non-foaming
- Rapidly separates from water
- Compatible with seals
- Compatible with petroleum EP oils

PROPERTY	ASTM TEST METHOD	804	805	806	807	808
AGMA EP Gear Class		4 EP	5 EP	6 EP	7 EP	8 EP
Viscosity @ 40°C, cSt	D-445	156.75	228.59	329.70	477.41	697.54
Viscosity @ 100°C, cSt	D-445	19.30	25.54	32.79	42.38	55.41
Viscosity Index	D-2270	141	142	140	141	140
Flash Point, COC, °C (°F)	D-92	244 (471)	248 (478)	250 (482)	248 (478)	250 (482)
Pour Point, °C (°F)	D-97	-40 (-40)	-36 (-38)	-29 (-34)	-24 (-31)	-22 (-30)
Copper Strip Corrosion Test 250°F, 3 hrs.	D-130	1b	1b	1b	1b	1b
Timken EP Load, lbs	D-2782	80	80	80	80	80
Four-Ball Wear Test 40 kg, 1200 rpm, 75°C, 60 min	D-4172	.40	.40	.40	.40	.40
Four-Ball EP Test	D-2783					
Weld Point, kg Load		315	315	315	315	315
Wear Index Kgf		60	62	62	62	62
Foam Tendency	D-892					
Seq. I		0/0	0/0	0/0	0/0	0/0
Seq. II		0/0	0/0	0/0	0/0	0/0
Seq. III		0/0	0/0	0/0	0/0	0/0

Meets or exceeds the following tests and requirements:

- US Steel – 224
- AGMA 250.04, 9005-D94, 9005-E02
- DIN 51517 part 3
- David Brown S1.53.101
- Cincinnati Milacron P-77, P-74, P-59, P-35, P-78

*Not recommended for use with automotive differential hypoid gears.
Not compatible with polyglycol gear oils. Thorough flushing prior to changeover is required.*