

## PAO SYNTHETIC INDUSTRIAL GEAR OIL (GL-3/4)

**XL-7316** series are fully formulated 100% synthetic based gear lubes that offer optimum performance in the broadest range of ambient temperatures, and environmental conditions.

**XL-7316** series provides:

- Energy conservation due to reduced friction.
- Component wear reduction.
- Reduced oil consumption.
- Compatibility with mineral oils.
- Longer periods between maintenance.
- High and low temperature viscosity stability.

### PERFORMANCE:

**XL-7316** Meets or exceeds the following specifications:

- AGMA 250.04
- DIN 51517 Part 3
- David Brown ET 33/80

### TYPICAL SPECIFICATIONS

Product Code: XL-7316/	/709	/751	/759	/801	/851	/890	/090	/068	/150	/220	/320	/460	/680	/999
SAE Grade	70w90	75w140	75w90	80w140	85w140	80w90	90	-	-	-	-	-	-	-
ISO Grade	-	-	-	-	-	-	-	68	150	220	320	460	680	1000
AGMA Grade	4 EP	5-6 EP	4 EP	5-6 EP	6 EP	4 EP	5 EP	2 EP	4 EP	5 EP	6 EP	7 EP	8 EP	-
Viscosity (cSt @ 40°C) (ASTM D-445)	105	180	130	335	280	135	107	65.5	148	225	310	475	664	1100
Viscosity (cSt @ 100°C) (ASTM D-445)	15	24.5	17.5	31.5	29.2	18.0	14.2	10.5	18.7	25.9	32.4	42.0	54.0	75
Viscosity Index	149	168	148	131	132	149	135	146	142	147	145	138	141	139
Flash Point (°C)	207	208	207	220	235	208	210	222	235	235	238	238	238	255
Pour Point (°C) (ASTM D-97)	-55	-50	-50	-40	-30	-47	-36	-40	-30	-32	-28	-22	-19	-12
Colour	Yellow / Gold													

### TYPICAL CHARACTERISTICS

(Based on ISO VG 220)

Copper Strip Test (3hrs @ 100°C)	1A
Timken OK Load (kg) (ASTM D-2266)	34
4-Ball EP (ASTM D-2783) Weld Point (kg)	250
LWI (kg)	47
FZG Damage Stage (DIN51354 Part 2)	12+
Demulsibility (oil-water-emulsion ml @ 82.2°C) (ASTM D-1401)	42-38-0(35)
Foaming characteristics Sequence 1 (ASTM D-892)	Trace/nil
Sequence 2 (ASTM D-892)	Trace/nil
Sequence 3 (ASTM D-892)	Trace/nil
Turbine Oil Rust (Distilled Water) (ASTM D-665)	Pass
(Synthetic Sea Water) (ASTM D-665)	Pass
Oxidation Test (% Viscosity Increase) (ASTM D-2893)	7.2



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