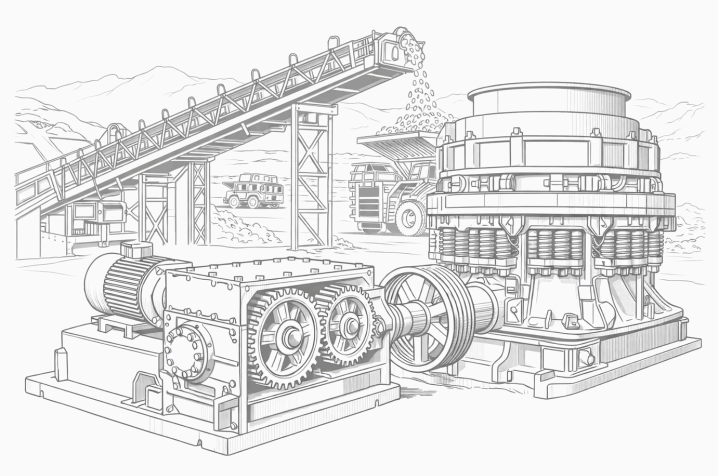
TITAN 722

PAO Synthetic Industrial Gear Oil

"Synthetic Strength. Industrial Confidence."



MicroLub Endura 722 is a premium fully synthetic PAO-based industrial gear oil formulated to deliver long-term protection for enclosed industrial gear systems operating under high loads, wide temperature swings, and severe duty conditions.

Endura 722 provides excellent film strength, oxidation stability, and wear protection, while maintaining stable viscosity at both high and low operating temperatures. It is designed to extend oil drain intervals, reduce maintenance costs, and improve overall equipment reliability.

Outstanding thermal and oxidation stability

Outstanding thermal and oxidation stability is provided by a fully synthetic PAO base oil system combined with a balanced antioxidant additive package. MicroLub Endura 722 resists oxidative thickening, deposit formation, and loss of lubricating film under elevated operating temperatures. This stability supports consistent viscosity retention, clean gear operation, and extended service life in enclosed industrial gear units operating in accordance with AGMA and DIN lubrication requirements.

Canadian cold to Middle Eastern heat

High viscosity index allows MicroLub Endura 722 to deliver consistent performance across extreme temperature variations—from cold Canadian start-ups to sustained high operating temperatures common in Middle Eastern industrial environments. By maintaining optimal oil film thickness under all conditions, Endura 722 ensures smooth gear operation, reduced wear, and dependable protection wherever reliability matters most.

Non-corrosive to yellow metals

Copper Strip Test 1A rating confirms MicroLub Endura 722 is non-corrosive to copper-containing alloys. This ensures safe use in gearboxes with bronze or brass components, protecting yellow metals while maintaining long-term system cleanliness and reliability.

Excellent EP and anti-wear protection

Excellent extreme pressure and anti-wear protection allows MicroLub Endura 722 to protect gears and bearings under high loads, shock loading, and continuous operation. The advanced additive system forms a durable lubricating film that reduces metal-to-metal contact, minimizes wear, and helps extend equipment service life in demanding industrial applications.

Compatibility

MicroLub Endura 722 is compatible with conventional mineral-based industrial gear oils, allowing smooth transition during upgrades while maintaining system integrity and reliable performance.

Recommended Applications

- Enclosed industrial gearboxes
- Helical, bevel, and spur gears
- Heavy-duty reducers
- Bearings operating under high load
- Cement, mining, steel, and aggregate equipment
- Conveyors, crushers, mills, and kilns

Not recommended for worm gears unless specifically approved by the OEM.

Extended Drain Intervals

Long service life and extended drain intervals help reduce maintenance frequency and overall operating costs. MicroLub Endura 722's synthetic PAO formulation resists oxidation, thermal degradation, and viscosity loss, allowing the lubricant to remain effective for longer periods while maintaining reliable protection for gears and bearings.

Product Specs

SAE Code	75W90	75W140	80W90	90						
ISO Grade					32	68	150	220	320	460
AGMA	4EP	5-6EP	4EP	5EP	2EP	2EP	4EP	5EP	6EP	7EP
Viscosity at 40C	130	180	135	107	29.3	65.5	148	225	310	475
Viscosity at 100C	17.5	24.5	18	14.2	5.8	10.5	18.7	25.9	32.4	42
Viscosity Index	148	168	149	135	145	146	142	174	145	138
Flash Point (C)	207	208	208	210	210	222	235	235	238	238
Pour Point (C)	-50	-50	-47	-36	-49	-40	-30	-32	-28	-22
Color	Red									

Exceeds

- API GL 7EP,
- AGMA 250.04
- DIN 51517 Part 3
- David Brown ET 33/80
- John Deere J11D

Pack Size

- 20L Pails
- 60L Kegs
- 200L Drums
- 1000L Totes

Characteristics Ref ISO VG 220	
Copper Strip Test (3hrs @ 100°C)	1A
Timken OK Load (kg) (ASTM D2266)	34
4-Ball EP (ASTM D-2783) Weld Point (kg)	250
FZG Damage Stage (DIN51354 Part 2)	12+
Foaming characteristics Sequence 1 (ASTM D892)	TRACE/NIL
Foaming characteristics Sequence 2 (ASTM D892)	TRACE/NIL
Foaming characteristics Sequence 3 (ASTM D892)	TRACE/NIL
Turbine Oil Rust (Distilled Water) (ASTM D665)	PASS
(Synthetic Sea Water) (ASTM D665)	PASS
Oxidation Test (% Viscosity Increase) (ASTM D2893)	7.2