

# MIST OIL



LUBRICATION



## High-performance industrial gear lubricant

### APPLICATIONS

Heavily loaded enclosed gears

Mist lubrication systems

- **MIST OILS** are premium quality industrial gear lubricants designed to provide excellent extreme pressure (EP) and load carrying properties. The fluids are designed for immersion, spray, drip or mist lubrication. They are oxidation stable and exhibit anti-rust, anti-corrosion, demulsibility and anti-foam characteristics. They meet the viscosity requirements of ISO 100 to 460 and maximize usable mist while reducing stray mist.
- **MIST OILS** are formulated with sulfur-phosphorus chemistry which provides improved anti-wear and friction reducing properties, which in turn cause gear sets to operate cooler and more efficiently. Misted lubricant cool even more efficiently and keep the lubricant and bearing surfaces clean.

### PERFORMANCE

International and OEM Specifications

- AGMA 250.04
- AFNOR NFE 60.200 - Category CKC
- CINNCINATI MACHINE P-63 (ISO 68), P-76 (ISO 100), P-77 (ISO 150,) P-74 (ISO 220), P-59 (ISO 320) P-35 (ISO 460)
- DAVID BROWN ET 33/80
- DIN 51517 Part 3 - Group CLP and DIN 51502 - Group CLP
- ISO/TR 3498 - Category CKC
- ISO 12925-1
- US STEEL 224

### ADVANTAGES

Controlled misting characteristics

- Excellent extreme-pressure and anti-wear performances, remarkable protection of heavily loaded gear teeth.
- Excellent misting characteristics for centralized mist lubricant systems
- Very good thermal stability ensuring a longer service life than conventional lubricants.
- Strengthened foaming protection and good water-oil separation.

#### TYPICAL CHARACTERISTICS-- MIST OILS

ISO Grade	100	150	220	320	460
AGMA grade	3EP	4EP	5EP	6EP	7EP
Specific gavity @ 60 °F, ASTM D 1298	0.882	0.887	0.890	0.892	0.895
Color ASTM D 1500	4.0	4.5	4.5	5.0	5.5
Viscosity at 40°C, cSt ASTM D 445	95	145	206	295	430
Viscosity index ASTM D 2270	105	105	105	105	105
Pour point, °F (°C) ASTM D 97	-10 (-23)	-10 (-23)	0 (-18)	0 (-18)	10 (-12)
Flash point, COC, °F °C ASTM D 92	415 (213)	415 (213)	425 (218)	450 (232)	450 (232)
Copper strip corrosion ASTM D 130	1B	1B	1B	1B	1B
Timken load, lbs. ASTM D 2782	65	65	65	65	65
FZG A/8, 3/90, fail stage DIN 51354/2	>13	>13	>13	>13	>13

TOTAL Lubricants USA Southwest

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**Mist Oils**  
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