

## Industrial Gear Oils (Mineral Base)

(September 2021 edition)

**AMALIE Industrial Gear Oils (Mineral Oil Base)** are compounded lubricants containing extreme pressure (EP) additives. They are formulated to provide excellent oxidation stability, water separability, wear protection, seal compatibility, and to reduce micro-pitting enabling your gearbox to run longer. These gear oils offer outstanding performance for enclosed gear applications.

**AMALIE Industrial Gear Oils (Mineral Oil Base)** are thermally stable, have good filtration properties, and are extremely resistant to gear wear and scuffing. These oils are formulated for highly loaded enclosed industrial gear boxes with splash or forced circulation systems. They may be used to lubricate steel-on-steel, spur, helical, bevel, or planetary gear drives.

### Benefits

- Excellent EP and Anti-Wear Properties
- Excellent Yellow Metal Protection
- Excellent Seal Compatibility

### Typical Properties

ISO grade	46	68	100	150	220	320	460	680
API Gravity	31.5	30.5	30	29	28	27	26.8	26.5
Flash Pt. °C	>220	>230	>240	>240	>240	>250	>250	>260
Viscosity cSt@40°C	46	68	100	150	220	320	460	680
Viscosity cSt@100°C	6.8	8.7	11.4	15	19	25	32	41
Viscosity Index	100	100	100	100	100	100	100	100
Pour Pt, °C	-30	-27	-24	-21	-18	-18	-18	-15
AGMA Grade	-	2EP	3EP	4EP	5EP	6EP	7EP	8EP
Timken OK Load	≥70	≥70	≥70	≥70	≥70	≥70	≥70	≥70
FZG Load Stage	>14	>14	>14	>14	>14	>14	>14	>14
Water Separation, D2711	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Oxidation, S-200	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Foam Suppression, D892	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Typical values are listed. Variations not affecting the performance of this fluid may occur during production.

### Applications

**AMALIE Industrial Gear Oils (Mineral Oil Base)** meet the following OEM, Industry and National specifications:

AGMA EP 9005-F16; ISO 12925-1 Type CKD (ISO 68-460); ISO 12925 Type CKC (ISO 680 and 1000); DIN 51517-Part 3 CLP; AIST (Steel) 224 (ISO 68-460); China National Standard GB 5903-2011 CKD (ISO 68-460); China National Standard GB 5903-2011 CKC (ISO 680)

### Additional Information

Please use proper handling and care that you would use with any motor oil. Contact your AMALIE Sales Representative for SDS.