



GRIT EP

PRODUCT DESCRIPTION:

GRIT EP gear lubricants are premium-quality, multipurpose mineral oil-based lubricants specifically designed for a variety of industrial gear applications. They are formulated to provide excellent performance under high-load and shock-loading conditions, ensuring reliable protection and efficient operation in demanding environments.

APPLICATION:

GRIT EP gear oils are recommended for industrial enclosed gearing where an AGMA extreme pressure lubricant is specified. It is designed for use in industrial gear boxes including in crushers, hoists, conveyors, winches, machine tools and lathes. It can also be used in chain drives, sprockets, plain and anti-friction bearings and slide guides.

FEATURES & BENEFITS:

- High thermal stability EP system helps maintain clean gear and bearing surfaces
- Effective EP system forms a protective film in areas of metal-to-metal contact, minimizing wear rates and maintaining efficient transfer of power
- Effective oxidation inhibitors and copper passivator minimize oil oxidation, limiting viscosity increase and promoting long drain intervals

MEETS OR EXCEEDS:

- AGMA EP 9005-E02
- DIN 51517-3 (CLP)
- MAG Cincinnati, Cincinnati 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), P-78 (ISO 1000)
- U.S. Steel 224 Specification (ISO 220, 320, 460, 680)
- FLENDER

TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	GRIT EP							
			68	100	150	220	320	460	680	1000
ISO VG			68	100	150	220	320	460	680	1000
AGMA Grade			2 EP	3 EP	4 EP	5 EP	6 EP	7 EP	8 EP	8 EP
API Gravity	-	-	31	30	29	28	27	26	26	25
Kinematic Viscosity @ 104°F /40°C	ASTM D7042	cSt	68.1	107.0	153.4	216.9	319.1	452.2	665.6	1000
Kinematic Viscosity @ 212°F /100°C	ASTM D7042	cSt	TBR	TBR	TBR	TBR	TBR	TBR	TBR	TBR
Viscosity Index (min)	ASTM D2270	-	95	95	95	95	95	95	95	95
Flash Point (min)	ASTM D92	°C	200	200	200	200	200	200	200	200
Pour Point (max)	ASTM D97	°C	-9	-9	-9	-9	-9	-9	-9	-9
Timken OK Load	-	lb	65	65	65	65	65	65	65	65
FZG Pass Stage	ASTM D5182	-	12	12	12	12	12	12	>12	>12

DISCLAIMER: The test data presented above is indicative and not a strict specification, as it may vary within acceptable production tolerances. Internal reserves the right to update or modify this test data. For the most accurate and current information, please refer to the latest version of this Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Continuous or repeated exposure to oil may lead to skin problems. Avoid contact with the oil. In case of contact, wash thoroughly with soap and water. Do not dispose of used oil in drains or the environment. Dispose of it at an authorized used oil collection point. For additional safety information, please refer to the MSDS available on our website at www.internal.net.

PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.