

DESCRIPTION

Petrogulf GEARSHIELD PRO EP Gear Oil series are high performance extreme pressure gear oils developed for lubrication of heavy duty industrial gears working under severe operating conditions. These are blended from high quality base stocks and sulphur-phosphorous type extreme pressure additive system that gives excellent load carrying capability to provide protection against shock loading and wear. It is used in wide range of industrial spur, helical, bevel and steel-on-steel worm gears.

KEY FEATURES & BENEFITS

- Provides effective rust and corrosion protection to all gearbox components.
- High thermo-oxidative stability.
- Provides effective rust and corrosion protection to all gearbox components.
- Excellent demulsibility property enables trouble-free operation

PERFORMANCE LEVELS

- DIN 51517 Part 3
- ISO 12925-1 Type CKC
- AGMA 9005 E-02
- David Brown S1.53 101(E)
- US Steel 224

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES									
ISO Grade	46	68	100	150	220	320	460	680	1000	1500
Kinematic Viscosity @40°C, mm ² /s	46.2	68.2	100.1	150.0	220.4	320.0	460	680	1000	1500
Kinematic Viscosity @100°C, mm ² /s	6.7	8.6	11.22	14.62	19.1	24.1	30.55	39.5	49.9	64.3
Viscosity Index	97	96	97	96	98	96	96	96	95	95
Density @ 15 °C	0.878	0.88	0.886	0.893	0.898	0.903	0.906	0.9120	0.9220	0.9226
Pour Point, °C	-21	-21	-18	-15	-15	-12	-12	-9	-9	-9
Flash Point (COC), °C	220	230	240	244	250	256	258	260	264	266
Foaming Seq. I ml/ml	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
II ml/ml	20/0	20/0	20/0	20/0	20/0	20/0	20/0	20/0	20/0	20/0
III ml/ml	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
FZD, Pass Load Stage	12	12	12	12	12	12	12	12	12	12

*These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.

SAE GRADE	46	68	100	150	220
PRODUCT CODE	30415000600	30415000800	30415001000	30415001100	30415001200

320	460	680	1000	1500
30415001300	30415001400	30415001500	30415001600	30415001700

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.