

MIL SPEC G

Engine Oils

Rev. 1/2024



Description

Mil Spec G Engine Oils are U.S. military qualified MIL-PRF-2104M engine oils. They have all been qualified against the SAE J2359 standard. This performance specification covers engine oils suitable for lubrication of reciprocating internal combustion engines of both spark-ignition and compression-ignition types and for power transmission fluid applications in combat/tactical service equipment.

Performance Properties

- **QPL #**
 - 10W MC 3912
 - 30 MC 3869
 - 40 MC 3924
- **Military Symbol**
 - 10W OE/HDO-10
 - 30 OE/HDO-30
 - 40 OE/HDO-40
- **NATO Code**
 - 10W O-237
 - 30 O-238
- **Industry Performance Standard**
 - 10W API CI-4 Performance
 - 30 API CF-2, CF
 - 40 API CF-2, CF

Physical and Chemical Properties

Product Number	702	703	704
Viscosity	10W	30	40
Density lb/gal	7.3	7.4	7.5
Viscosity @ 100°C, cSt	7.2	10.5	14.8
Viscosity @ 40°C, cSt	44	80	135
CCS Cranking Viscosity @ -25°C, mPa's	5200	NR	NR
CCS Cranking Viscosity @ -30°C, mPa's	11000	NR	NR
Pumping Viscosity @ -30°C, mPa's	22,700	NR	NR
Pour Point °C	-42	-33	-21
Sulfated Ash % wt	1.2	1.2	1.2
Phosphorus % wt	0.12	0.12	0.12
Zinc % wt	0.13	0.13	0.13