

SENT-6086M

MINERAL BASED GEAR LUBRICATING OIL

MILITARY SPECIFICATION: MIL-PRF-6086F (1)

QPL No. AFPET/PTPT 13-003

DESCRIPTION:

SENT-6086M is a refined mineral oil based lubricant. It is formulated with the latest additives to provide oxidation and corrosion protection, high load carrying capacity, antifoaming properties, as well as high viscosity index to provide excellent low and high temperature fluidity.

APPLICATION :

SENT-6086M is recommended for lubrication of gears in high tooth load applications. Grade M is intended for use in moderate to warm climates. It is particularly suitable for the lubrication of helicopter gearboxes as well as general-purpose industrial applications requiring an E.P. lubricant for heavily loaded gears.

APPROVALS :

SENT-6086M meets all requirements of military specifications MIL-PRF-6086 E, grade M.

SPECIFICATIONS:

Property	ASTM Method	Typical Results
Viscosity Index	D-445	103
Viscosity, cSt @ 100°F (210°F)	D-445	72.9 (9.3)
Base Number, mq HCl	D-974	0.1
Flash Point, °C	D-92	196
Pour Point, °C	D-97	-35
Total Acid Number, mq KOH	D-974	0.1
Gravity, API		25.0
Load Wear Index	D-2783	50.0
Foam Resistance, ml initial/final	D-892	
Sequence 1		Trace/0
Sequence II		10/0
Sequence III		Trace/0
Precipitation Number	D-91	0.00
Copper Corrosion	D-130	1b

