



RADCO INDUSTRIES, INC.
TECHNICAL DATA SHEET FOR RADCOLUBE® 6086L
MIL-PRF-6086F GRADE L, LIGHT LUBRICATING OIL, GEAR, PETROLEUM BASE
MILITARY SYMBOL OGL, NATO CODE O-153

Characteristics	Requirement	Result	Test Method
Viscosity, mm ² /s at 37.8°C (100°F)	23 - 34	32	ASTM D445
Viscosity Index	80, minimum	111	ASTM D2270
Flash Point, °C	137.8, minimum	158	ASTM D92
Pour Point, °C	-40°C, minimum	-42	ASTM D97
Load Wear Index, kg	40, minimum	43	ASTM D2783
Precipitation Number, mL	0.1, minimum	0.0	ASTM D91
Acid Number, mg KOH/g	1.0, maximum	0.8	ASTM D664
ASTM Color	8, maximum	L2.0	ASTM D1500
Foaming characteristics:	(tendency/stability)		ASTM D892
Sequence I, mL	10/0, maximum	10/0	
Sequence II, mL	20/0, maximum	20/0	
Sequence III, mL	10/0, maximum	10/0	
Copper Corrosion (3 hours at 100°C)	2, maximum	1b	ASTM D130

This product meets MIL-PRF-6086F GRADE L performance specification.

Qualification Number: AFPET/PTPS 22-011
Qualification Date: Thursday, September 29, 2022
CAGE CODE: 6ZS16
Shelf Life: 24 Months
NSN: QPL Sample