



RADCOLUBE® 6086L

700 Kingsland Drive
PO Box 1928
Batavia, IL 60510
Phone: (630) 232-7966
Fax: (630) 232-7968
www.Radcoind.com

MILITARY FLUIDS

MIL-PRF-6086F GRADE L

RADCOLUBE® 6086L

(Lubricating Oil, Gear, Petroleum Base, Light grade)

RADCOLUBE® 6086 L: Lubricating Oil, Gear, Petroleum Base, Light grade- Is intended for use in light-to-moderate-loaded gear trains or gear boxes that operate in low-to-medium-speed ranges down to -40°C. Typically used in the primary gearbox of heavy-lift helicopters operating in colder climates

MILITARY SYMBOL: OGL

NATO CODE: O-153

Qualification Numbers # AFPET/PTPT 18-004

Qualification Date: 14 MAY 2018

ISO 9001: 2015 Certification Number: C2018-00035

National Stock Numbers Available From Radco

9150-00-265-9417 1 GAL

9150-00-223-4116 5-GAL PAIL

CHARACTERISTIC	REQUIREMENT	RESULT	TEST METHOD
Viscosity, mm ² /s at 37.8°C	23 – 34	26	ASTM D445
Viscosity Index, (minimum)	80	110	ASTM D2270
Flash point, °C (minimum)	137.8	155	ASTM D92
Pour point, °C (maximum)	-40	-43	ASTM D97
Load wear index, kg (minimum)	40	60	ASTM D2783



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Precipitation number, mL (maximum)	0.1	0.001	ASTM D91
Acid number, mg KOH/g (maximum)	1.0	0.6	ASTM D974
ASTM Color, (maximum)	8	1	ASTM D1500
Foam characteristics (tendency, stability), mL (maximum)			ASTM D892
Sequence I	10/0	0/0	
Sequence II	20/0	20/0	
Sequence III	10/0	0/0	
Copper corrosion (3 hours at 100°C) (maximum)	2	1b	ASTM D130

- Data represents typical laboratory samples and is not guaranteed for all samples
- Manufactured in Batavia, IL 60510