TECHNICAL DATA

Sentinel Canada

SENT-VV-L-800

GENERAL-PURPOSE, LOW TEMPERATURE, PRESERVATIVE LUBRICATING OIL

MIL-PRF-32033
QPL NO. LP-7063

DESCRIPTION:

SENT-VV-L-800 is a product blended with mineral oil and unique additives for rust and corrosion inhibition. It has outstanding characteristics to displace water. It meets as a P-9 rust inhibitor under MIL-STD-2073-1C.

APPLICATIONS:

This lubricant is a mineral based hydraulic fluid for use in hydraulic systems of 25mm gun feeder, 25mm gun barrel, gun receiver and 7.62mm Weapon Feed Cover, Bolt group and Barrel Extension. This lubricant is free from defects and contamination

OTHER APPLICATIONS:

SENT-VV-L-800 is an excellent general-purpose lubricant where water displacement and corrosion protection is required. Especially recommended for locks, hinges, chains, electric motors and hunting and camping equipment.

SPECIAL INSTRUCTION:

SENT-VV-L-800 is not recommended at temperature below -70^{o}F. For extreme low temperature applications, use **SENT 7870.**

PACKAGING:

Product is packaged in 1-Litre Can, 1-Gallon Can, 5-Gallon Pail and 55-Gallon Drum.
Special packaging is also available.

Sentinel Canada
7300 St-Jacques, Montreal, Quebec, Canada H4B 1W1
Tel.: 514-483-6500 / 1-800-361-2517 Fax: 514-483-3284 E-mail: sentinel@sentinelcanada.com

The information contained herein is to the best of our knowledge, true and exact, but all recommendations are made without guaranty because the conditions of their use is beyond the control of Sentinel Canada. We deny any responsibility resulting from the use of these products.

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SPECIFICATIONS	Typical	Results
Viscosity, cSt		
@ 40 ^{o}C	11 min.	11.8
@ -40^{o}C	7,000 max.	4,440
@ -54^{o}C	60,000 max.	48,846
Flash Point, COC, ^{o}C	135 min.	150
Cloud Intensity (-65^{o}F/72 hours)	Conforms	Pass
Pour Point, ^{o}C	-57 max.	-66
Copper Corrosion (3 hours/100^{o}C)	ASTM 2 max.	1A
Precipitation Number	0.05 max.	0.00
Rust Protection (100^{o}F/168 hours)	No rust	Pass
Water Displacement	Conforms	Pass
Removability	Conforms	Pass
Film Characteristics, even coat	Pass	Pass
Oxidation – Corrosion Stability (250^{o}F/168 hours)		
Copper, mg/cm$_2$	+/-0.2 max.	0.02
Aluminium, mg/cm$_2$	+/-0.2 max.	0.10
Steel, mg/cm$_2$	+/-0.2 max.	0.01
Magnesium, mg/cm$_2$	+/-0.2 max.	0.10
Cadmium, mg/cm$_2$	+/-0.2 max.	0.01
Viscosity Change, %	-5 to +20	9.1
T.A.N. Change	0.2 max.	0.10
Specific Gravity @ 60^{o}F	Report	0.889
Shell 4 Ball Wear, mm$_2$	1.0 max.	0.80
Evaporation % wt. @ 100^{o}C/22 hours	25 max.	10.5
Volatile Organic Compound (3 yrs average)	ASTM-E1868	144 g/L

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