

ROYCO® 757

LOW TEMPERATURE HYDRAULIC FLUID AND PRESERVATIVE FOR AIRCRAFT AND MISSILE SYSTEMS

ROYCO® 757 is a low viscosity mineral based fluid developed especially for use as an operational fluid for missile systems, aircraft, and Unmanned Aerial Vehicles (UAV) requiring reliable fluid performance in the temperature range of -64°C to +135°C. ROYCO® 757 is super clean filtered so as to eliminate system failures due to particulate contamination. High performance additives are used to provide antiwear protection as well as resistance to foaming, rust, oxidation, as well as providing low temperature stability and low temperature fluidity.

APPLICATIONS

ROYCO® 757 is recommended as an operational fluid for missile systems, aircraft, and Unmanned Aerial Vehicles (UAV) requiring reliable fluid performance in the temperature range of -64°C to +135°C.

FEATURES AND BENEFITS

Features

- **Exceptionally Low temperature fluidity**
- **Excellent anti-wear performance**
- **Super Clean™ Fluid to improve equipment life**
- **Excellent oxidation and corrosion inhibition**

Benefits

- **Reliable fluid performance in low temperature applications**

APPROVALS AND SPECIFICATIONS

ROYCO® 757 is a proprietary product.



TYPICAL PROPERTIES

PROPERTIES	TEST METHOD	ROYCO® 757
Kinematic Viscosity, cSt		
@ 100°C	ASTM D445	1.53
@ 40°C	ASTM D445	3.82
@ -40°C	ASTM D445	104
Viscosity Stability, -40°C, 3 hours	ASTM D2532	0.5
Pour Point, °C	ASTM D97	-66
Flash Point, °C	ASTM D92	108
Steel on Steel Wear, 167°F, 40 kg, 1 hour, mm	ASTM D4172	0.54
Copper Corrosion, 100°C, 3 hours	ASTM D130	1b
API Gravity	ASTM D4052	30.9
Specific Gravity, 60/60 °F	ASTM D4052	0.871
Density, pounds per gallon		7.26
Acid Number, mq KOH/g	ASTM D664	0.19
Foam, Sequence I, initial / final	ASTM D892	14 / 0
Evaporation, 25°C, 22 hours, % mass loss	ASTM D972	4
Particulate Contamination	FTM 3009	
5-15 mμ		1348
16-25 mμ		136
26-50 mμ		36
51-100 mμ		4
> 100 mμ		0
Water Content, ppm	ASTM D6304	27

PACKAGING

ROYCO® 757 is available in 5-gallon pails, and 55-gallon drums.



PACKAGING

ROYCO® 757 is available in 55-gallon drum, 5-gallon pail, 24 x 1-QT case and 6 x 1-gallon case.

ROYCO® 757 is available in 6 x 1 gallon cases. Other package sizes may be available on special request.



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