



# Royal Lubricants, Inc.

## Product Bulletin

### **ROYCO 757** LOW TEMPERATURE HYDRAULIC FLUID AND PRESERVATIVE FOR AIRCRAFT AND MISSILE SYSTEMS

#### **DESCRIPTION:**

**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 (UAVs) requiring reliable fluid performance in the temperature range of  $-64^{\circ}\text{C}$  to  $+135^{\circ}\text{C}$ . **ROYCO 757** is superclean 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.

#### **PACKAGING:**

**ROYCO 757** is available in 5 gallon pails and 55 gallon drums. Other package sizes may be available on special request.

**ROYCO 757**

**For more information please refer to the relevant Material Safety Data Sheet accompanying each product.**

**Warranty:** All products purchased from Royal are subject to terms and conditions set out in the contract, order acknowledgement and/or bill of lading. Royal warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Royal is considered accurate but is furnished on the expressed condition that the customer shall make its own assessment to determine the product's suitability for a particular purpose. No warranty is expressed or implied regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.

## TYPICAL PROPERTIES

PROPERTY	METHOD	TYPICAL
Kinematic Viscosity, cSt	ASTM D445	
@ 100 °C		1.85
@ 40 °C		4.50
@ -40 °C		100
@ -54 °C		375
Pour Point, °C	ASTM D97	-65
Cloud Point, °C	ASTM D2500	-75
Flash Point, °C	ASTM D92	99
Steel on Steel Wear, mm <sup>2</sup>	ASTM D4172	0.50
Cu Corrosion	ASTM D130	1B
API Gravity	ASTM D287	30.8
Specific Gravity, 60/60 °F	ASTM D1298	0.872
Density, lb./gal		7.26
T.A.N., mq KOH/g	ASTM D664	0.16
Particulate Contamination, #s/100 ml	FTM 3009	
5-10 mu		1500
11-25 mu		200
26-50 mu		50
51-100 mu		5
> 100 mu		0

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