

ROYCO[®] HF-825

SYNTHETIC ASSEMBLY FLUID AND O-RING LUBRICANT

Description

ROYCO HF-825 is a concentrated solution of a methacrylate-polymer (ACRYLOID[™]) in synthetic diester based oil, which provides lubricity, and at the same time, a "tacky" film. **ROYCO HF-825** is ashless so it will not cause deposits or coke formation in the oil, wetted sections of engines or hydraulic systems.

Applications

ROYCO[®] HF-825 is used as an assembly aid to "stick-hold" parts together in multi-component mechanisms such as gearboxes, pumps, and engine accessories. **ROYCO HF-825** is also used to "wet out" or lubricate O-rings prior to pressing them into cavities thus preventing chafing or tearing of the O-ring surface. Because **ROYCO HF-825** is commonly used as a viscosity index improver in many lubricating oils, there is no cause for compatibility concerns when used in contact with the oil-wetted areas of the lube system.

Features and Benefits

Feature	Benefits
Contains a methacrylate polymer	No ash, deposit or coke formation Applicable as an assembly aide in a wide variety of wetted sections

Approvals and Specifications

ROYCO HF-825 is currently used or approved by major airframe and engine manufacturers and is qualified to part numbers by GE, Pratt and Whitney, Rolls-Royce Allison, among others.

Typical Properties

Property	Test Method	ROYCO® HF-825
Kinematic Viscosity, cSt		
@ 100°C	ASTM D445	329
@ 100°F	ASTM D445	2,468
Flash Point, °C	ASTM D92	203
Fire Point, °C	ASTM D92	222
Specific Gravity, 60°F/60°F	ASTM D1298A	0.912
Density, pounds per gallon		7.60
API gravity	ASTM D287	23.6
Acid number, mg KOH/g	ASTM D664	0.2

Packaging

ROYCO HF-825 is available in 24 x 1.75 lb cases. Other package sizes may be available on special request.

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Anderol Specialty Lubricants
a division of Chemtura Corporation
215 Merry Lane
East Hanover, New Jersey 07936
Technical Service +1.973.887.7410
Customer Service +1.203.573.4595
Fax +1.203.573.2324
info-anderol@chemtura.com
www.anderol.com