



U.S. APPROVED: _____ MIL-PRF-5606H
NATO: _____ H-515
JOINT SERVICE DESIGNATION: _____ OM-15
U.K. DEF STAN: _____ 91-48
FRENCH: _____ DCSEA 415/A
RUSSIAN: _____ AMG-10

PRODUCT: HYDRAULIC FLUID, PETROLEUM BASE; AIRCRAFT, MISSILE, AND ORDNANCE

GENERAL INFORMATION: MIL-PRF-5606H specification describes the characteristics and provides the requirements for a petroleum base hydraulic fluid for use in the -54°C to +135°C temperature range.

TYPICAL PROPERTIES

PROPERTIES	MIL-PRF-5606H
Pour Point, °C	-70
Flash Point, COC, °C	95
Acid Number, mq KOH/g	0.0
Specific Gravity	0.880

PROPERTIES	MIL-PRF-5606H
Kinematic Viscosity, cSt	
@ 100°C (212°F)	5.13
@ 40°C (4°F)	13.9
@ -40°C (-40°F)	451
@ -54°C (-48°F)	1850
Viscosity Index	—
Cu Corrosion, 160°F/72hrs.	1B
Water Content, ppm	50
4-Ball Wear, mm²	0.65
Evaporation, 160°F/6hrs, %	13.6
Precipitation Number	—
Gravimetric Filtration mg/100 ml, 0.45µ @ 25°C	0.1
Filter Time, min.	6
Foam Resistance, 75°F	
Foam Volumes, ml	25
Foam Stability	0
API Gravity	29.3
Particle Contamination (automatic counter) Size Range, µ	
5-15	1200
16-25	175
26-50	60
51-100	5
100+	0.0
Dielectric Strength, KV	49.6

- ADVANTAGES:**
- (1). Wide operating temperature range
 - (2). Improved Equipment Life
 - (3). Low Temperature fluidity
 - (4). Excellent Oxidation and Corrosion Inhibition
 - (5). Exception anti-wear performance

APPLICATIONS: MIL-PRF-5606H hydraulic fluid covered by this specification is intended for use in automatic pilots, shock absorbers, brakes, flap-control mechanisms, missile hydraulic servo-controlled systems, and other hydraulic systems which use synthetic sealing material.

PRECAUTIONS:

-If skin or clothing becomes moistened with the product, personnel should promptly wash with soap or mild detergent and water.

-Respirators are not required unless there is an inhalation exposure to mists.

-Personnel should wear protective clothing when using the product and when cleaning up spills.

-DO NOT TAKE INTERNALLY.

-READ MATERIAL SAFETY DATA SHEET BEFORE USE OF THE PRODUCT

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