

# SENT-6083

HYDRAULIC FLUID, PETROLEUM BASE,  
FOR PRESERVATION AND OPERATION

**MILITARY SPECIFICATION: MIL-PRF-6083G**

**QPL NUMBER H-6061**

## DESCRIPTION:

**SENT-6083** is a petroleum based, low viscosity hydraulic fluid and preservative oil developed to meet the severe duty demands of today's military and industrial equipment. The latest additive technology is used to provide high oxidation resistance, shear stability, corrosion and rust protection, and anti-wear properties.

**SENT-6083** is designated as a P-15 corrosion protectant under MIL-STD-2073.1C.

## BENEFITS:

- Excellent shear stability
- Excellent anti-wear protection
- Reduction of deposit build-up
- Excellent demulsibility – rapid water separation
- Excellent low-temperature fluidity
- Extended service intervals
- Vast range of operating temperatures from -40 to 275°F

## APPLICATIONS:

**SENT-6083** is especially recommended for use in aircraft, missile, and ordnance systems using synthetic sealing material as well as heavy-duty equipment, and industrial robotic hydraulic systems.

## SPECIAL INSTRUCTION:

Do not use product with natural rubber elastomers.



## SENT-6083

SPECIFICATIONS	TYPICAL RESULTS
Viscosity, cSt	
@ 40 °C	14.2
@ -40 °C	650
@ -54 °C	3010
Flash Point, °C	100
Pour Point, °C	<-60
Trace Sediment, mls/100cc	0.002
Total Acid No., mg KOH	0.12
<b>Water Content, %</b>	0.03
<b>4-Ball Wear, scar (mm in diameter)</b> 40 kg/1200 RPM/1 hr/75°C	0.70
Synthetic Rubber Swell, 70°C/168 hrs, %	28
Copper Strip Corrosion @ 135°C for 72 hrs	2e (shiny-slight tan)
Solid Particle Contamination, particles/100 ml	
5-25 µm	1240
26-50 µm	110
51-100 µm	6
100+ µm	8
Specific Gravity @ 15.6°C	0.885