

SENSYN 7566

MINERAL SUPERCLEAN HYDRAULIC FLUID
AIRCRAFT, MISSILE, AND ORDNANCE

Military Specification: MIL-PRF-5606H(3)

QPL No. AFPET/PTPT 13-005

DESCRIPTION:

SenSyn 7566 is a blend of mineral base stock with unique additives to provide excellent low temperature fluidity, oxidation-corrosion inhibition, shear stability and antiwear properties. It is dyed red for identification and leak detection purposes. The product is especially developed for the severe duty demands of aerospace and industrial equipment

SenSyn 7566 is a **SuperClean Fluid** meeting all requirements and **is approved under military specification MIL-PRF-5606H.**

BENEFITS:

SenSyn 7566:

- SuperClean Product
- Excellent Low Temperature Fluidity
- Wide Operating Temperature Range
- Excellent Oxidation and Corrosion Inhibition
- Outstanding Antiwear Performance
- Dyed red for easy identification and leak detection purposes.

APPLICATION:

SenSyn 7566 is designed for use in aircraft and missiles hydraulic systems, shock absorbers, boom trucks, robotics and auto wreckers which require a high quality all weather performance fluid. It can also be used in hydraulic systems requiring non-zinc type hydraulic fluids in low temperature applications.

SPECIAL INSTRUCTION:

Do not use product in system using natural rubber elastomers.

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TEST	METHOD	SPECIFICATION REQUIREMENTS MIL-PRF-5606H	RESULTS
1. Color	Visual	Red	Red
2. Kinematic Viscosity, cSt	D-445		
@ 40°C		13.2 Min.	14.27
@ 100°C		4.90 Min.	5.18
@ -40°C		600 Max.	493.84
@ -54°C		2500Max.	1180
3. Pour Point, °C	D-97	-60 Max.	>-60
4. Copper Strip Corrosion, ASTM, Standard (72 hours @ 135°C)	D-130	2e Max.	2b
5. Water Content, Karl Fischer (ppm)	D-1744	100 Max.	90
6. Foaming Characteristics @ 24°C, Seq. I Initial, ml Final, ml after 10 min.	D-892	65 Max. Complete	40 ml complete
7. Insoluble Contamination mg/100 ml	D-4898	0.3 Max.	0.2
8. Filtration Time @ 25°C, Minutes	FTM 3009	15 Max.	8
9. Solid Particle Contamination 5 to 15 micrometers 16 to 25 micrometers 26 to 50 micrometers 51 to 100 micrometers Over 100 micrometers	FTM 3009 (HIAC)	10,000 Max. 1,000 Max. 156 Max. 20 Max. 5 Max.	1440 80 0 0 0
10. Evaporation, 6 hrs @ 71°C, %	D-972	20 Max.	15.2
11. Flash Point, P.M. closed, °F	D-93	180 Min.	215.6
12. Acid Number, mg/KOH/g	D-664	0.20 Max.	0.05
13. Steel-On-Steel Wear, Scar Diameter (mm)	D-4172	1.0 Max.	0.57
14. Rubber Swell, NBR-L (%)	FTM-3603	19-30	28.5
15. Low Temperature Stability	D-3458	No gelling, Crystallization, solidification or separation	Pass
16. Specific Gravity @ 60/60°F	ASTM-287		0.85