



Super S® Snow Plow Hydraulic Fluid is a premium, high performance hydraulic fluid designed for extremely cold temperature operations, particularly in arctic climates, allowing hydraulic systems to start at temperatures of -50°F under no-load conditions. It is a suitable replacement for Sno-Way 96005029, Mayer 15134, and Western 49311 Hydraulic Fluids for use in snow plows operating in extreme cold climates. It may also be used in emergency shut-down valves or other critical low temperature heavy-duty hydraulic systems that are required to respond quickly and reliably.

Snow Plow Hydraulic Fluid includes a technologically advanced additive system which contains a chemically engineered pour point depressant that gives outstanding cold weather performance. The anti-wear agents work bond together at the molecular level to create a thin-film, wear-resistant layer that provides a barrier between metal components which does not run off while not in operation ensuring complete protection for quick start-ups down to -50°F.

Super S® Snow Plow Hydraulic Fluid is formulated to provide excellent anti-wear protection for extended equipment life. Its exceptional oxidation stability provides long oil life for fewer change-outs and helps prevent sludge and varnish deposits. The extra level of oxidation stability allows for use over a wider temperature range as it is suitable for use in operating environments up to 80°F.

BENEFITS

- Excellent start-up protection down to -50°F
- Wide operating temperature range (-40 to 80°F)
- Suitable as service fill option for most major snow plow brands (Sno-Way, Meyer, Western, etc.)
- Robust anti-wear and friction control
- Excellent oxidation stability for long service life
- Broad application range for reduced inventory
- Technologically advanced pour point depressant which will not shear maintaining its effectiveness throughout the serviceable life of the fluid

SPECIFICATIONS/RECOMMENDATIONS

ASTM D6158
 Eaton E-FDGN-TB002-E, 35VQ25A
 Bosch Rexroth
 Cincinnati/MAG IAS P-70
 DIN 51524, Part 1,2,3
 General Motors LS-2
 JCMAS HK
 Parker Denison HF-0, HF-1
 Parker Denison HF-2
 Racine
 Sperry Vickers/Eaton I-286-S, M-2950-S
 US Steel 127, 136

Super S® Snow Plow Hydraulic Fluid		
Properties	ASTM D-	Data
ISO Grade		22
Flash Point °C/°F,	92	222/432
Pour Point °C/°F,	97	-53/-63
Viscosity		
cSt @ 40°C	445	22
cSt @ 100°C		5.0
Viscosity Index	2270	163
Oxidation Stability, hrs to 2.0 AN	943	5,000+
Min Start-up Temp. ¹ , °C/°F	2983	-45.5/-50
Operating Temp. Range ²		
Mobile Equip. °C		-40 to 27
°F		-40 to 80
Industrial Equip °C		-37 to 25
°F		-35 to 77

¹Start-up is defined as the temperature at which the oil viscosity reaches 10,000 cP

² Operating temperature limits are determined by the equipment manufacturer. Smitty's has chosen to define the upper operating temperature to be the after-shear oil viscosity of 10 cSt for mobile equipment and 13 cSt for industrial machinery, while the lower operating temperature to be the fresh oil viscosity of 750 cP for both mobile and industrial machinery. These ranges are only an approximation and the operator should always check the viscosity requirements as specified by their equipment manufacturer. Mobile equipment typically refers to machinery that encompasses a transmission and braking system to allow and prohibit movement. Industrial machinery is typically stationary, with hard piping and auxiliary components in place.