



Sasol Hydraulic Fluid FR 68

HYDRAULIC OIL, FIRE RESISTANT, GRADE 68

Description

Sasol Hydraulic Fluid FR 68 is a high performance biodegradable fire resistant hydraulic fluid formulated from polyol ester based synthetic fluids and specifically designed to meet the most stringent industry requirements, including spray flammability. It is readily biodegradable according to the OECD 301B standard.

The formulation utilizes ashless and silicon free additive technology. It is a metal free (ashless) with exceptional performance that combine the functions of lubricating and hydraulic oils in a single product. It is designed to be compatible with yellow and white metal components. It is fully compatible with other mineral oils and polyol ester fluids.

Application

Sasol Hydraulic Fluid FR 68 is highly recommended for hydraulic systems in high, low or broad temperature ranges that require a greater degree of fire resistance than those offered by the mineral fluids.

It is also suitable for applications where environmentally sensitive products are preferred (such as off-road construction vehicles and machinery).

Features and Benefits

Sasol Hydraulic Fluid FR 68 carry the following advantages:

- fire resistant
- ashless and silicon free
- broad operating temperature range
- environmentally friendly
- extended lubrication cycles at all temperatures
- high fire point
- Compatible with elastomers, seals and hoses

Product Specifications

Denison HF-0, HF-1 & HF-2
Din 51524 Part 2 & 3 (HLP, HVLP)
Cincinnati Milacron P-68, P-69 & P-70
AFNOR NF E 48-603 (HM, HV)
ISO 6743/4 (HM, HV)
FM Approved

ISO 11150 (HM, HV)
SS 155434
SEB 181 222
US Steel 126, 127 and 136
Vickers 104C & 35VQ25A



Typical Characteristics

Property	Units	68	ASTM	IP
Viscosity			D445	71
@ 100°C	mm ² /s	12		
@ 40°C	mm ² /s	68		
Viscosity Index		195	D2270	226
Pour Point	°C	-21	D97	15
Flash Point (COC)	°C	>310	D92	36
Density @ 20°C	kg/m ³	920	D1298	160
FZG Fail Stage, FV A/90/8.3	Stage	11	D5182	334
Antiwear Characteristics	mg loss	30	D2882	
Fire Point	°C	>360	D92	
Rust Test	rating	Pass	D665B	
Copper Corrosion	rating	1B	1B	
Biodegradability		Pass	OECD301B	
FM Approval Testing	rating	Pass	D892	
Foam tendency				
Sequence I	ml	Nil		
Sequence II	ml	Nil		
Sequence III	ml	Nil		

Storage and Handling

Use PVC, nitrile or other oil resistant gloves and protective clothing to prevent skin contact. Where eye contact is a potential hazard, goggles should be worn.

Avoid temperatures above 80°C and strong oxidizing agents.

Ambient temperatures and atmospheric pressures normally encountered within buildings or roofed-over outdoor storage areas are acceptable.

Avoid entering areas where mists or vapours have built up as a result of abnormal temperatures or pressures without the proper breathing equipment and protective clothing.

Pack Information

<u>Grades</u>	<u>Product Code</u>	<u>Pack Size</u>
68		20 L
		210 L
		Bulk