

flow 68 H1 Food Grade Hydraulic Oil

Product Description

flow 68 food grade hydraulic oil is a USDA approved hydraulic oil for use where incidental contact with food may occur. *flow 68* is light colored, odorless and tasteless and is formulated for use in food processing and food packaging machinery. *flow 68* hydraulic oil contains corrosion and oxidation inhibitors in addition to anti-wear additives. Typical physical characteristics are listed below.

Typical Product Specifications

Property	UoM	Test Method	Specification
Kin. Visc. At 40°C	mm ² /s	ISO 3104	61.2 - 74.8
Flash Point COC	°C	ASTM D92	200 min
Colour (Saybolt)		ASTM D156	30 min
Pour Point	°C	ASTM D97	-6 max
Filterability (dry)	Stage 1 / Stage 2	ISO 13357-2	90/70
Filterability (wet)	Stage 1 / Stage 2	ISO 13357-1	80/60
Air Release at 50°C	min	DIN 51381	12 max
Foaming, Seq II	ml after blow ml after 10 min	IP 146	50 max 0
Demulsability at 54°C		ASTM D1401	38-38-4
Neutralisation number	mgKOH/g	ISO 6618	0.75 max
Vickers V104C total wear	mgKOH/g	IP 281	150 max
4-Ball Weld Load	kg	DIN 51350-4	150 min
4-Ball Wear Scar Diameter	mm	DIN 51350-3 (150N/60min)	0.3 max
FZG-Test		A/8.3/90	11 min
Failure Load Stage		DIN 51354	
1000 Hour TOST		ASTM D4310/98	Pass
Rust Test (Distilled Water)		ASTM D665-A	Pass
Rust Test (Syn Sea Water)		ASTM D665-B	Pass
Seal Compatibility NBR 1 (168 hr/100°C)	Delta V %	DIN 53521	0 - 10
Seal Compatibility NBR 28 (168 hr/100°C)	Delta V %	DIN 53521	0 - 6

