

# HS 207 - LIST OF APPROVED HYDRAULIC FLUIDS

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## 1 SCOPE

This standard applies to hydraulic fluids used on Husky injection molding machines.

## 2 PURPOSE

To provide a list of approved hydraulic fluids for use on Husky injection molding machines.

## 3 DOCUMENT CONTROL

Revisions to this document shall be authorized by Controls Engineering - Fluid Power.


















## 4 APPROVED HYDRAULIC FLUIDS

Approved hydraulic fluids and respective properties are listed in table 1.

### REVISION LOG

Rev.	Remarks
1	List of approved hydraulic fluids updated. Sorted by OEM (Jan. 29, 2025)
0	Original Issue (Feb. 02, 2022)

**Table 1: Approved Hydraulic Fluids (Sorted by OEM)**

OEM	Fluid	ISO Grade	Density @15°C (kg/m <sup>3</sup> )	Viscosity @40°C (cSt)	Viscosity @100°C (cSt)	Viscosity Index	Pour Point (°C)	Flash Point (°C)	Color (ASTM D1500)	HF-0 Test	FZG	TOST ASTM D-943	HPN
	Chevron Rando HD46	46	880	46	6.9	103	-31	190	0.5	Approved	10	6000	2630838
 (North America only)	Hydrotex Syn-Nth	46	870	48.2	9.9	197	-45	215	Clear	Approved	11	>10000	5145882
	Lubra Hidraulico ISO 46 SC Premium	46	878	43 – 48	6.5	93 Min	-21	218	2.5	Approved	12	3887	7245570
	Lubriplate ZF-46	46	-	46.34	6.4	117	-37	243	1	Approved		>3000	9582172
	Lukoil Geyser ST 46	46	875	46	6.7	100	-27	230	-	Approved	>10	-	7219240
	Mobil DTE 10 Excel 46	46	850	46	8.45	164	-45	232	-	Approved	12	-	5576384
	Mobil DTE 25 Ultra	46	867	46.2	7.1	110	-33	238	-	Approved	11	-	9655634
	Petro-Canada Hydrex AW46	46	869	46	6.7	100	-36	227	1	Approved	12	6500	2692298
	Petro-Canada Purity FG	46	-	45.4	6.8	102	-18	245	0.5	Approved	>12	-	8303421
	Phillips 66 Megaflo AW 46	46	853	46	6.8	102	-37	227	0.5	Approved	12	>5000	9581956
	Phillips 66 Powerflow NZ 46	46	851	45.7	6.82	105	-36	212	0.5	Approved	>12	>10000	9581952
	Repsol Maker Hydraulic SC 46	46	-	46	6.6	98	-27	231	-	Approved	11	-	13334140
 (North America only)	Scheffler 254-ISO 46	46	855.9	45-51.2	6.7-7.3	102	-32	216	-	Approved	12	5000+	5145878
	Shell Tellus S2 M 46	46	871	44	6.7	106	-30	238	1	Approved	11	3000	2630836
	Shell Tellus S3 M 46	46	876	46	6.8	98	-30	218	-	Approved	10+	2000+	3195680
	Shell Tellus S4 ME 46	46	876	46	6.8	135	-51	250	-	Approved	-	-	5576385
	Total Azolla ZS46	46	880	46	6.8	102	-24	230	0.5	Approved	11	2500	2692295