

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
0	Original Issue

Table 1: Approved Hydraulic Fluids (Alphabetical Order)

Fluid	OEM	ISO Grade	Density @15°C (kg/m ³)	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
Azolla ZS46	Total	46	880	46	6.8	102	-24	230	0.5	Approved	11	2500	2692295
Chevron AW46	Chevron	46	880	46	6.9	106	-34	218	0.5	Approved	10	6000	2630840
Hydrex AW46	Petro-Canada	46	869	46	6.7	100	-36	227	1	Approved	12	6500	2692298
Hydrotex Syn-Nth	Hydrotex (North America only)	46	870	48.2	9.9	197	-45	215	Clear	Approved	11	>10000	5145882
Lubral Hidraulico ISO 46 SC Premium	Lubral	46	878	43 – 48	6.5	93 Min	-21	218	2.5	Approved	12	3887	7245570
Lukoil Geyser ST 46	Lukoil	46	875	46	6.7	100	-27	230	-	Approved	>10	-	7219240
Megaflow AW 46	Phillips 66	46	853	46	6.8	102	-37	227	0.5	Approved	12	>5000	9581956
Mobil DTE 10 Excel 46	Mobil	46	850	46	8.45	164	-45	232	-	Approved	12	-	5576384
<i>Mobil DTE 25 (*1)</i>	<i>Mobil</i>	<i>46</i>	<i>876</i>	<i>44.2</i>	<i>6.65</i>	<i>98</i>	<i>-27</i>	<i>232</i>	<i>4 Max</i>	<i>Approved</i>	<i>12</i>	<i>-</i>	<i>5145884</i>
Mobil DTE 25 Ultra	Mobil	46	867	46.2	7.1	110	-33	238	-	Approved	11	-	9655634
Powerflow NZ 46	Phillips 66	46	851	45.7	6.82	105	-36	212	0.5	Approved	>12	>10000	9581952
Purity FG	Petro-Canada	46	-	45.4	6.8	102	-18	245	0.5	Approved	>12	-	8303421
Rando HD46	Chevron	46	880	46	6.9	103	-31	190	0.5	Approved	10	6000	2630838
Scheaffer 254-ISO 46	Scheaffer (North America only)	46	855.9	45-51.2	6.7-7.3	102	-32	216	-	Approved	12	5000+	5145878
Tellus S2 MX 46	Shell	46	856	46	6.9	105	-30	230	0.5	Approved	-	5000	9582008
Tellus S2M 46	Shell	46	871	44	6.7	106	-30	238	1	Approved	11	3000	2630836
Tellus S3M (Ashless) 46 (Shell)	Shell	46	876	46	6.8	98	-30	218	-	Approved	10+	2000+	3195680
Tellus S4 ME 46	Shell	46	876	46	6.8	135	-51	250	-	Approved	-	-	5576385
ZF-46	Lubriplate	46	-	46.34	6.4	117	-37	243	1	Approved		>3000	9582172

**1) Lubricant is still usable but should be replaced with "Mobil DTE 25 Ultra" going forward (April 6, 2021)*