PETRO-CANADA LUBRICANTS
AN HF SINCLAIR BRAND

TECH DATA
PARAFLEX™ HT FLUIDS

INTRODUCTION

Petro-Canada Lubricants PARAFLEX HT process oils are carefully controlled blends of paraffinic base oils produced by removing undesirable polar and aromatic compounds. They are recommended for use as manufacturing aids or as raw materials in a wide range of chemicals, elastomers, and other specialty products.

Compared to competitive process oils, PARAFLEX HT Process Fluids* are 99.9% pure saturated hydrocarbon mixtures that are crystal clear and have very low toxicity. They offer:

- Outstanding oxidative and thermal stability
- Crystal clear appearance
- Very low aromatic levels*
- Very low toxicity
- Excellent separation from water

FEATURES AND BENEFITS

Outstanding Oxidative and Thermal Stability

- Formulations possible with oxidation resistance 3 to 5 times greater than competitive solvent refined oils
- Low carbon residue under stress

High Viscosity Index, with excellent response to VI Improver and Pour Point Depressant additives

- Pour Points lowered by as much as 20°C
- Exceptional low temperature properties

Crystal clear and very light in color

- Excellent light stability in the presence of a UV stabilizer
- Ideal for compounding light coloured materials, such as plastics, rubber and inks
- Low risk of staining

Very Low Aromatic Levels

- PARAFLEX HT Fluids are virtually non-toxic
- Low aromatics ensure color and oxidative stability

APPLICATIONS

Because of their carefully controlled hydrocarbon contents, Petro-Canada Lubricants PARAFLEX HT Fluids are recommended for use as manufacturing aids or as raw materials in a wide range of industrial products including:

- Lubricants
- Chemicals
- Rubber & Plastics
- Leather
- Adhesives
- Polishes
- Plate Glass / Glass Wool
- Manufacturing aid in various industrial processes
- Dust suppressants
- Paints and coatings
- Defoamers
- Cleaners
- Form release

* PARAFLEX HT 3 and 5 are produced in a single stage hydrocracking process. As a result they are higher in aromatic levels (1-5%).

TYPICAL PERFORMANCE DATA

Property	Test Method	PARAFLEX HT FLUIDS										
		3	4	5	9	10	15	22	32	46	68	100
Density, kg/l @ 15°C	D4052	0.844	0.827	0.853	0.83	0.855	0.848	0.845	0.860	0.862	0.866	0.87
Colour, ASTM	D1500	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Viscosity, cSt @ 40°C cSt @ 100°C SUS @ 100°F SUS @ 210°F	D445 D2161	3.7 1.4 38.5 <32	3.9 1.4 38.8 <32	5.6 1.8 45.8 32.2	9.4 2.6 59.0 34.8	10 2.5 65.4 35.3	15.4 3.5 84.5 37.7	21.5 4.3 112 40.3	34.7 5.7 177 45	45.9 6.8 236 48.8	66.9 8.8 347 55.9	102 11.5 530 65.3
Viscosity Index	D2270	-	-	-	102	83	100	108	105	104	103	99
Flash Point, °C	D92	128	136	151	178	179	198	216	216	241	253	268
Pour Point, °C	D5950	-24	-55	-12	-39	-21	-24	-21	-18	-18	-15	-15
Demusibility @ 54°C mL of water separated (minutes)	D1401	40 (5)	40 (5)	40 (5)	40 (5)	40 (5)	40 (5)	40 (5)	40 (5)	40 (5)	40 (5)	40 (5)
Aniline Point, °C	D611	78.9	87	85	105	95	105	106	113	116	121	124
Aromatics, wt %	PCM 435	2.2	<0.5	3.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

The values quoted above are typical of normal production. They do not constitute a specification.

Learn more about us: **lubricants.petro-canada.com**
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Committed to the disciplined operation of our business.

CERTIFIED
ISO 9001: 2015
ISO 14001: 2015
IATF 16949: 2016

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