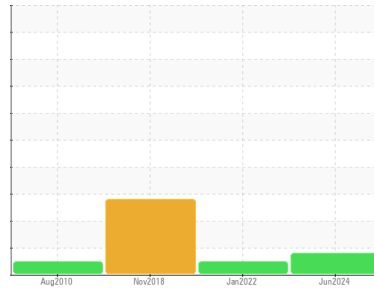




Machine Id  
**HUSKY P4 (S/N 2338528)**

Component  
**Hydraulic System**

Fluid  
**PETRO CANADA PURITY FG HYDRAULIC AW 68 (600 LTR)**



**DIAGNOSIS**

**Recommendation**

We recommend you service the filters on this component. Resample at the next service interval to monitor.

**Wear**

All component wear rates are normal.

**Contamination**

There is a light amount of silt (particulates < 14 microns in size) present in the oil.

**Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PC0087670</b>	PC0044243	PC410583
Sample Date	Client Info			<b>12 Jun 2024</b>	17 Jan 2022	21 Nov 2018
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>ATTENTION</b>	NORMAL	ABNORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.05	<b>NEG</b>	NEG	NEG

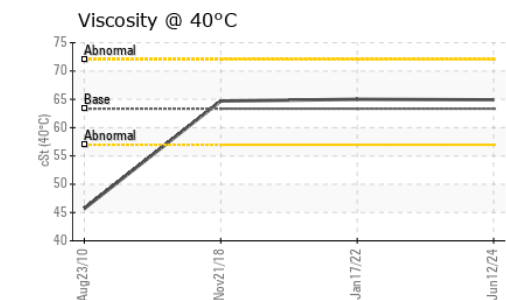
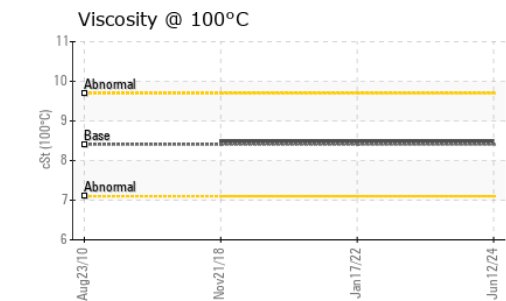
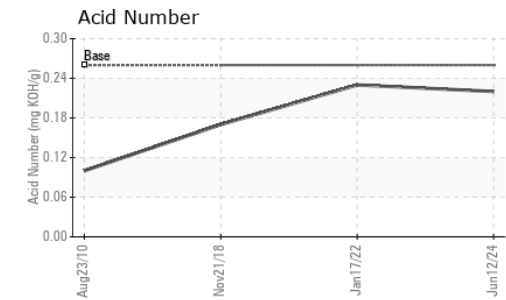
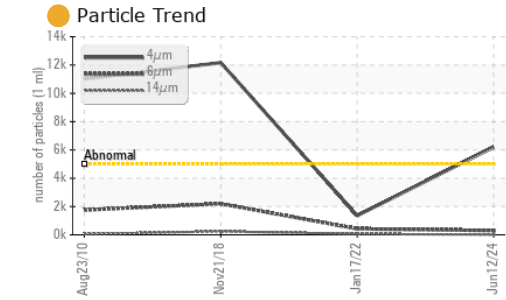
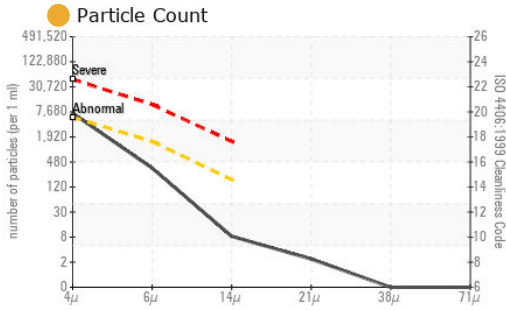
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	<1
Chromium	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Copper	ppm	ASTM D5185(m)	>60	<b>&lt;1</b>	1	4
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	0
Antimony	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	0
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Calcium	ppm	ASTM D5185(m)		<b>0</b>	<1	3
Phosphorus	ppm	ASTM D5185(m)		<b>251</b>	220	161
Zinc	ppm	ASTM D5185(m)		<b>36</b>	49	45
Sulfur	ppm	ASTM D5185(m)		<b>828</b>	976	1113
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	2
Sodium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	0

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>6194</b>	1353	▲ 12164
Particles >6µm		ASTM D7647	>1300	<b>301</b>	426	● 2196
Particles >14µm		ASTM D7647	>160	<b>7</b>	58	● 242
Particles >21µm		ASTM D7647	>40	<b>2</b>	20	● 76
Particles >38µm		ASTM D7647	>10	<b>0</b>	2	3
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>20/15/10</b>	18/16/13	▲ 21/18/15

# OIL ANALYSIS REPORT



FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.26	<b>0.22</b>	0.23	0.17

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.05	<b>NEG</b>	NEG	NEG
Free Water	scalar	Visual*		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	63.34	<b>64.9</b>	65.0	64.7
Visc @ 100°C	cSt	ASTM D7279(m)	8.409	<b>8.5</b>	8.5	8.5
Viscosity Index (VI)	Scale	ASTM D2270*	102	<b>100</b>	100	101

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						no image
Bottom						
PrtFilter						no image



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0087670  
**Lab Number** : **02641712**  
**Unique Number** : 5799251  
**Test Package** : IND 2 ( Additional Tests: KV100, VI )  
**Received** : 13 Jun 2024  
**Tested** : 14 Jun 2024  
**Diagnosed** : 14 Jun 2024 - Wes Davis

**North America IML Container**  
 2625, Route 344  
 St. Placide, QC  
 CA J0V 2B0  
 Contact: Corinna Bouchard  
 cbouchard@iml.ca  
 T: (450)258-3130  
 F: (450)258-3345

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.