

Machine Id  
**HUSKY P4 (S/N 2338528)**  
Component  
**Hydraulic System**  
Fluid  
**PETRO CANADA PURITY FG HYDRAULIC AW 68 (600 LTR)**

**RECOMMENDATION**

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

| Test           | UOM | Method      | Limit/Abn | 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           |
| Filter Age     | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Oil Changed    |     | Client Info |           | <b>N/A</b>         | N/A         | N/A         |
| Filter Changed |     | Client Info |           | <b>N/A</b>         | N/A         | N/A         |
| Sample Status  |     |             |           | <b>ATTENTION</b>   | NORMAL      | ABNORMAL    |

**WEAR**

All component wear rates are normal.

|              |        |               |      |              |      |       |
|--------------|--------|---------------|------|--------------|------|-------|
| 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     |
| Vanadium     | ppm    | ASTM D5185(m) |      | <b>0</b>     | 0    | 0     |
| White Metal  | scalar | Visual*       | NONE | <b>NONE</b>  | NONE | VLITE |
| Yellow Metal | scalar | Visual*       | NONE | <b>NONE</b>  | NONE | NONE  |

**CONTAMINATION**

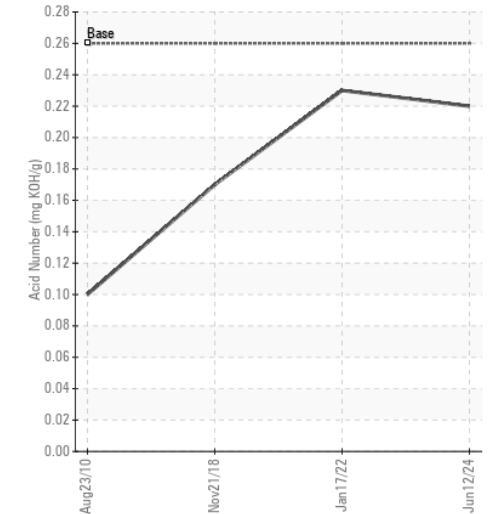
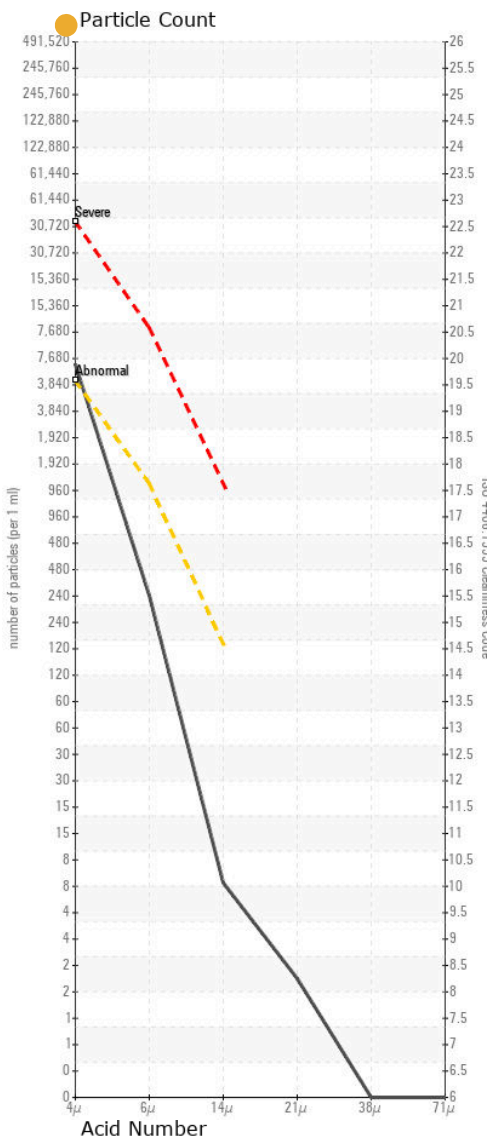
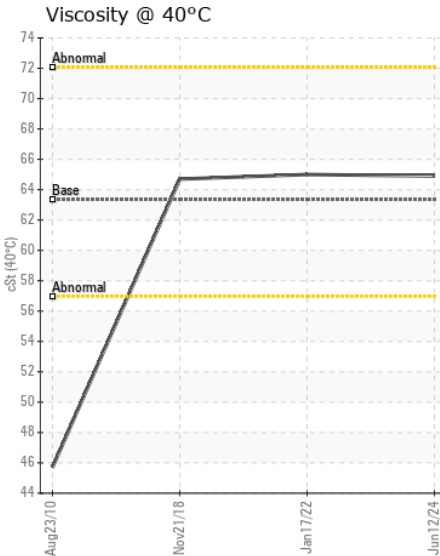
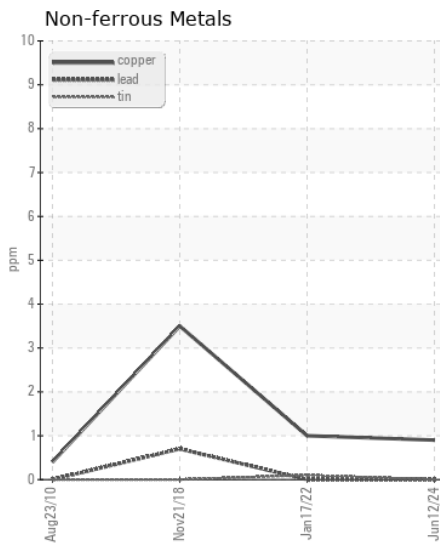
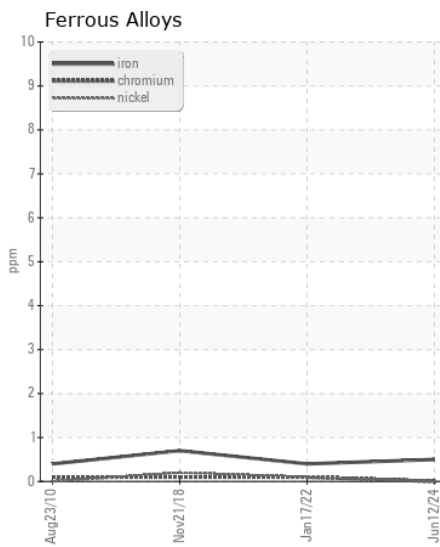
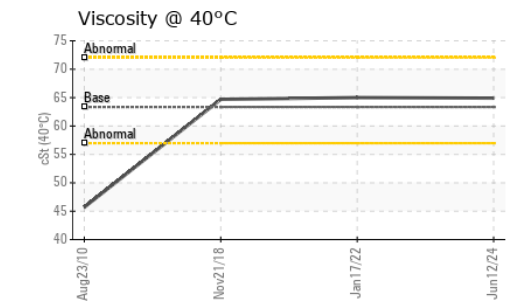
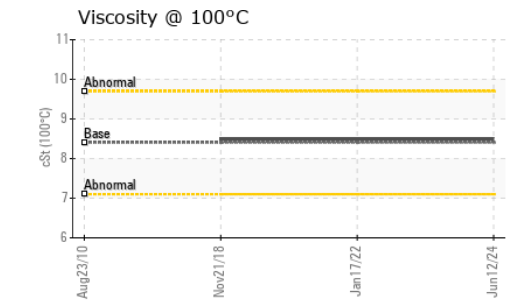
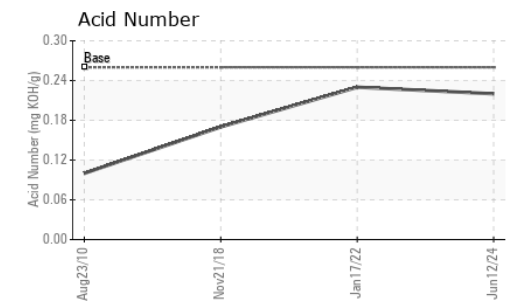
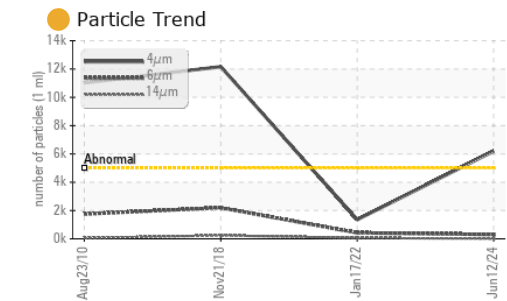
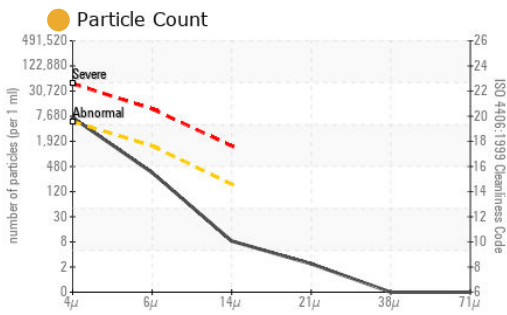
There is a light amount of silt (particulates < 14 microns in size) present in the oil.

|                  |        |               |           |                 |          |          |
|------------------|--------|---------------|-----------|-----------------|----------|----------|
| Silicon          | ppm    | ASTM D5185(m) | >20       | <b>&lt;1</b>    | 2        | 2        |
| Potassium        | ppm    | ASTM D5185(m) | >20       | <b>0</b>        | <1       | 0        |
| Water            |        | WC Method     | >0.05     | <b>NEG</b>      | NEG      | NEG      |
| 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 |
| 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      |

**FLUID CONDITION**

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

|                      |          |               |       |              |      |      |
|----------------------|----------|---------------|-------|--------------|------|------|
| Sodium               | ppm      | ASTM D5185(m) |       | <b>0</b>     | 0    | <1   |
| 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 |
| Acid Number (AN)     | mg KOH/g | ASTM D974*    | 0.26  | <b>0.22</b>  | 0.23 | 0.17 |
| 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  |



ISO 17025:2017  
Accredited  
Laboratory

**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

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.

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