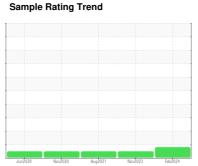


## **OIL ANALYSIS REPORT**



**WEAR** 



# Machine Id OR681

Component

**Center Swing Drive** 

PETRO CANADA GEARLUBE TOS 80W140 (6 LTR)

#### **DIAGNOSIS**

#### Recommendation

We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

#### Wear

Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.

#### Contamination

There is no indication of any contamination in the oil.

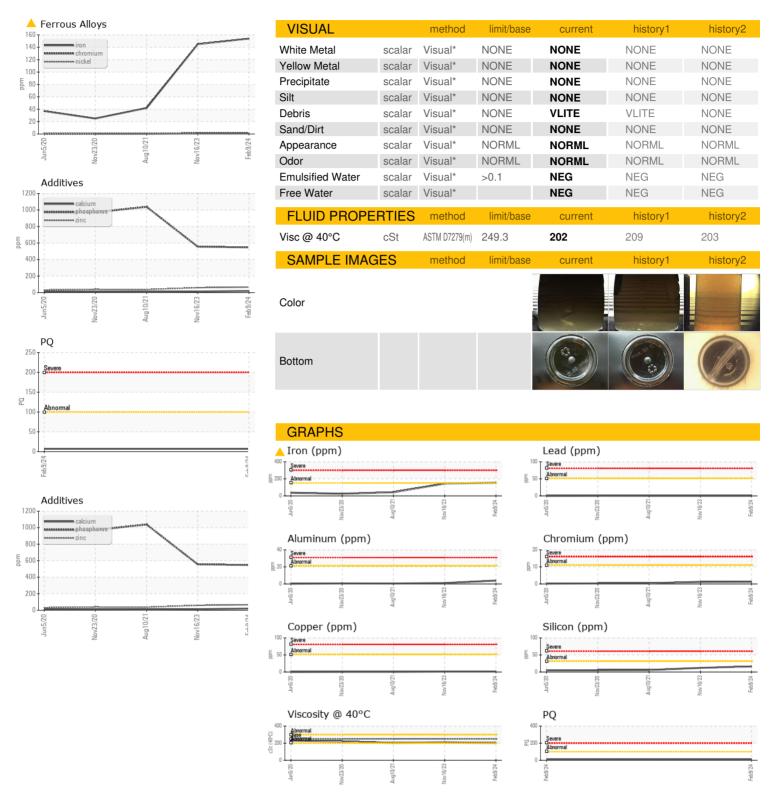
#### **Fluid Condition**

Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sample Date Client Info 09 Feb 2024 16 Nov 2023 1   Machine Age hrs Client Info 10645 10033 6   Oil Age hrs Client Info 4490 1000 1	history2 GFL0030461 0 Aug 2021 6171
Sample Date Client Info 09 Feb 2024 16 Nov 2023 1   Machine Age hrs Client Info 10645 10033 6   Oil Age hrs Client Info 4490 1000 1	0 Aug 2021
Machine Age hrs Client Info 10645 10033 6   Oil Age hrs Client Info 4490 1000 1	Ü
Oil Age hrs Client Info 4490 1000 1	171
Oil Changed Client Info Not Changd Not Changd N	000
	J/A
Sample Status ABNORMAL NORMAL N	NORMAL
CONTAMINATION method limit/base current history1	history2
Water WC Method >0.1 NEG NEG	NEG
WEAR METALS method limit/base current history1	history2
PQ ASTM D8184* <b>7</b>	
<b>Iron</b> ppm ASTM D5185(m) >151 ▲ <b>154</b> 145	42
Chromium ppm ASTM D5185(m) >11 1 1	<1
Nickel ppm ASTM D5185(m) >10 <1 <1	<1
Titanium ppm ASTM D5185(m) <b>0</b> 0	0
Silver ppm ASTM D5185(m) <b>0</b> <1	0
Aluminum ppm ASTM D5185(m) >21 4 1	<1
<b>Lead</b> ppm ASTM D5185(m) >51 <b>0</b> 0	0
Copper ppm ASTM D5185(m) >51 1 1	<1
<b>Tin</b> ppm ASTM D5185(m) >10 <b>0</b>	<1
<b>Antimony</b> ppm ASTM D5185(m) >5 <b>0</b> 0	<1
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) 0 0	0
ADDITIVES method limit/base current history1	history2
<b>Boron</b> ppm ASTM D5185(m) 170 <b>67</b> 66	163
Barium ppm ASTM D5185(m) 4 0 <1	<1
Molybdenum ppm ASTM D5185(m) 0	0
Manganese ppm ASTM D5185(m) 2 2	1
Magnesium ppm ASTM D5185(m) 1.0 4 4	<1
0.1.1	9
Calcium ppm ASTM D5185(m) 16 21 13	1038
Phosphorus ppm ASTM D5185(m) 920 547 555	37
Phosphorus ppm ASTM D5185(m) 920 547 555	37 18949
Phosphorus ppm ASTM D5185(m) 920 547 555   Zinc ppm ASTM D5185(m) 8 66 59	
Phosphorus ppm ASTM D5185(m) 920 547 555   Zinc ppm ASTM D5185(m) 8 66 59   Sulfur ppm ASTM D5185(m) 1630 8490 8233	18949
Phosphorus ppm ASTM D5185(m) 920 547 555   Zinc ppm ASTM D5185(m) 8 66 59   Sulfur ppm ASTM D5185(m) 1 630 8490 8233   Lithium ppm ASTM D5185(m) <1 <1	18949 <1
Phosphorus ppm ASTM D5185(m) 920 547 555   Zinc ppm ASTM D5185(m) 8 66 59   Sulfur ppm ASTM D5185(m) 1630 8490 8233   Lithium ppm ASTM D5185(m) <1 <1   CONTAMINANTS method limit/base current history1	18949 <1 history2



### OIL ANALYSIS REPORT







Laboratory

Laboratory

Sample No. Lab Number Unique Number : 5724554

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 720 - Lafleche - Landfill : GFL0092222

: 02615459 Test Package: MOB 1 (Additional Tests: PQ)

To discuss this sample report, contact Customer Service at 1-800-268-2131.

Received **Tested** 

: 13 Feb 2024 Diagnosed

: 14 Feb 2024

: 14 Feb 2024 - Kevin Marson

17125 Lafleche Road, Moose Creek, ON CA K0C 1W0 Contact: Charles Bergeron

cbergeron@gflenv.com T: (613)538-4853

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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