



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**OR343**  
Component  
**Left Outer Final Drive**

Fluid  
**PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL (29 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0124644</b>	GFL0113339	GFL0010822
Sample Date		Client Info		<b>30 May 2024</b>	15 Apr 2024	10 Mar 2021
Machine Age	hrs	Client Info		<b>16058</b>	16058	12385
Oil Age	hrs	Client Info		<b>12385</b>	3673	500
Filter Age	hrs	Client Info		<b>200</b>	3673	500
Oil Changed		Client Info		<b>N/A</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>750	<b>180</b>	124	15
Chromium	ppm	ASTM D5185(m)	>9	<b>1</b>	<1	0
Nickel	ppm	ASTM D5185(m)	>10	<b>1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>1</b>	<1	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>40	<b>6</b>	3	1
Lead	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185(m)	>40	<b>2</b>	1	<1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

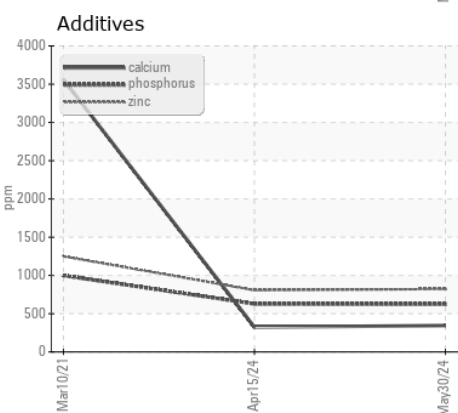
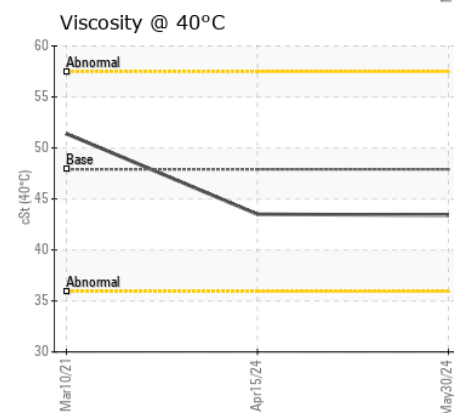
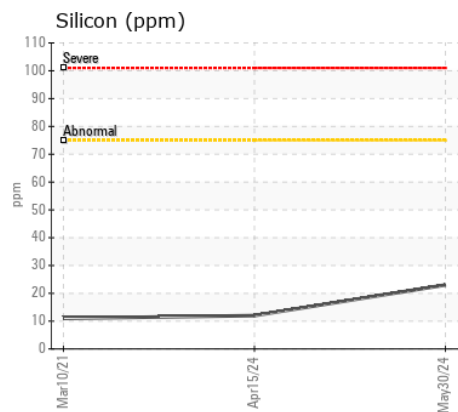
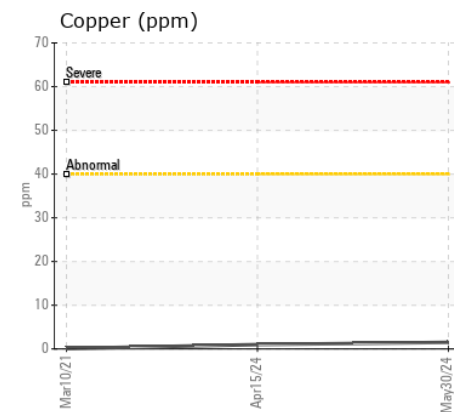
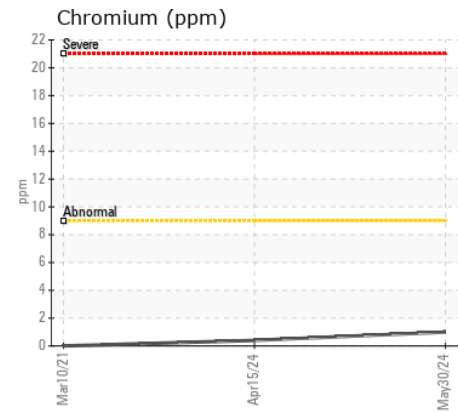
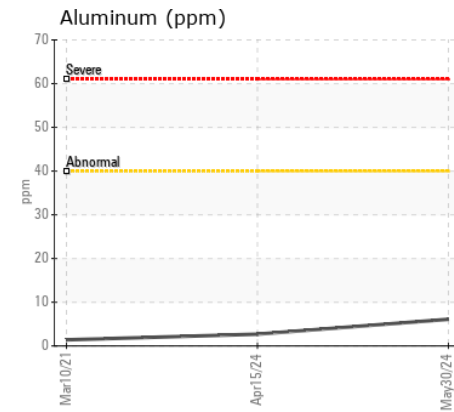
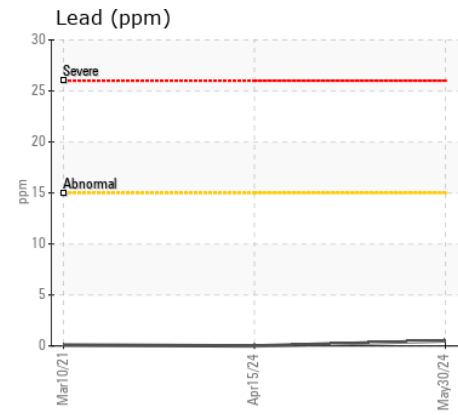
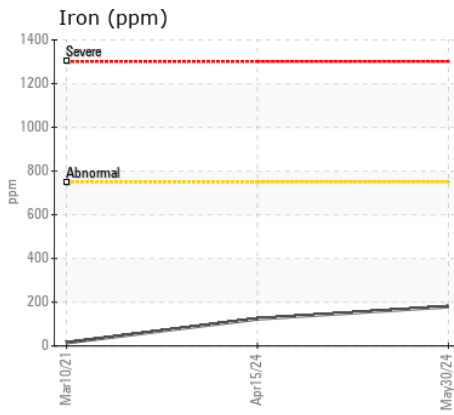
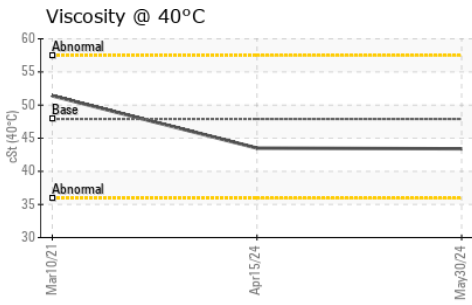
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	<b>23</b>	12	11
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	1	10
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>VLITE</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*	>0.075	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>51	<b>3</b>	2	2
Boron	ppm	ASTM D5185(m)	0	<b>8</b>	● 7	2
Barium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185(m)	1	<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	0	<b>10</b>	8	103
Calcium	ppm	ASTM D5185(m)	100	<b>345</b>	● 324	3562
Phosphorus	ppm	ASTM D5185(m)	670	<b>625</b>	● 628	999
Zinc	ppm	ASTM D5185(m)	850	<b>822</b>	● 807	1250
Sulfur	ppm	ASTM D5185(m)	1600	<b>1803</b>	● 1575	3304
Visc @ 40°C	cSt	ASTM D7279(m)	47.9	<b>43.4</b>	▲ 43.5	51.4



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0124644  
**Lab Number** : 02639221  
**Unique Number** : 5788383  
**Test Package** : MOB 1  
**Received** : 31 May 2024  
**Tested** : 31 May 2024  
**Diagnosed** : 31 May 2024 - Kevin Marson

**GFL Environmental - 720 - Lafleche - Landfill**  
 17125 Lafleche Road,  
 Moose Creek, ON  
 CA K0C 1W0  
 Contact: Charles Bergeron  
 cbergeron@gflenv.com  
 T: (613)538-4853  
 F:

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.