



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



Area  
**166**  
Machine Id  
**MACK 913005**  
Component  
**Transmission (Auto)**  
Fluid  
**PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)**

**RECOMMENDATION**

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0118725</b>	GFL0074900	GFL0065312
Sample Date		Client Info		<b>07 May 2024</b>	02 Mar 2023	15 Dec 2022
Machine Age	hrs	Client Info		<b>4721</b>	1674	1037
Oil Age	hrs	Client Info		<b>600</b>	600	600
Filter Age	hrs	Client Info		<b>600</b>	600	600
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	N/A
Filter Changed		Client Info		<b>Changed</b>	Not Changed	N/A
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL

**WEAR**

Clutch and/or bushing/bearing wear is indicated.

Iron	ppm	ASTM D5185m	>220	<b>90</b>	48	54
Chromium	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>75	<b>▲ 52</b>	22	22
Lead	ppm	ASTM D5185m	>95	<b>▲ 75</b>	9	12
Copper	ppm	ASTM D5185m	>60	<b>▲ 58</b>	27	25
Tin	ppm	ASTM D5185m	>10	<b>▲ 10</b>	4	6
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
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 fluid.

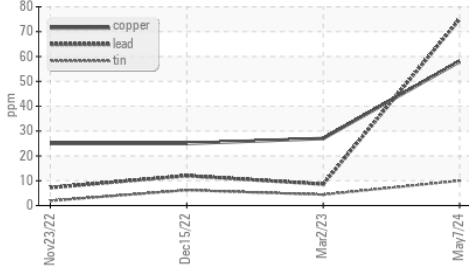
Silicon	ppm	ASTM D5185m	>25	<b>8</b>	3	6
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	4	4
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

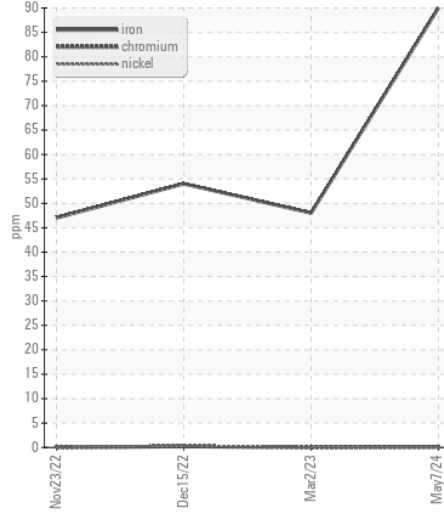
The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>8</b>	2	6
Boron	ppm	ASTM D5185m		<b>45</b>	50	53
Barium	ppm	ASTM D5185m		<b>1</b>	<1	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	1
Manganese	ppm	ASTM D5185m		<b>2</b>	0	1
Magnesium	ppm	ASTM D5185m		<b>2</b>	<1	3
Calcium	ppm	ASTM D5185m		<b>116</b>	121	132
Phosphorus	ppm	ASTM D5185m		<b>207</b>	192	225
Zinc	ppm	ASTM D5185m		<b>0</b>	2	2
Sulfur	ppm	ASTM D5185m		<b>1993</b>	1598	1852
Visc @ 40°C	cSt	ASTM D445	34	<b>34.7</b>	32.4	32.4

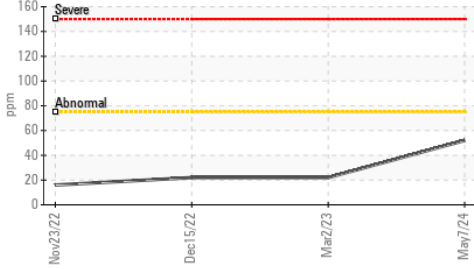
▲ Non-ferrous Metals



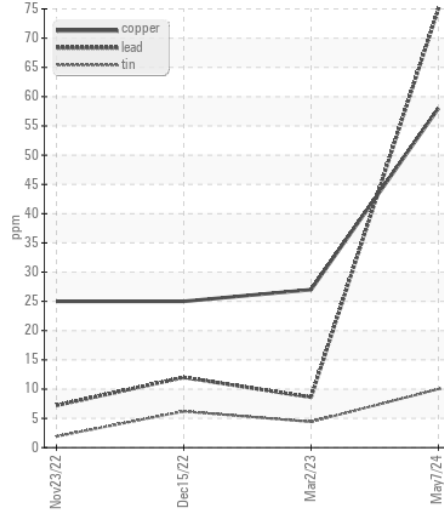
Ferrous Alloys



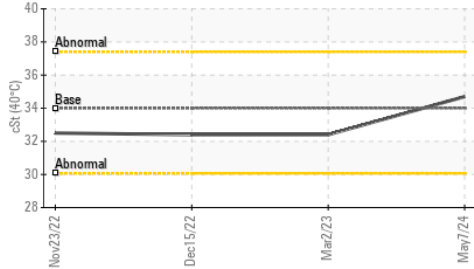
▲ Aluminum (ppm)



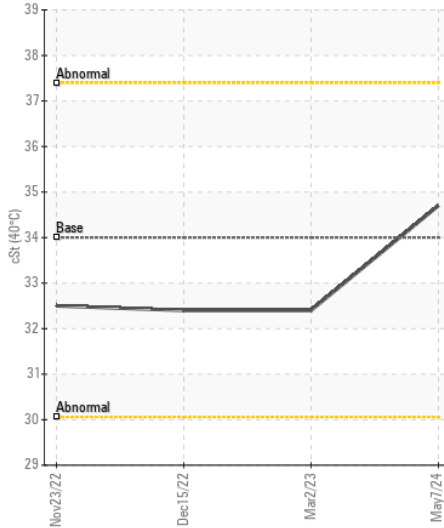
▲ Non-ferrous Metals



Viscosity @ 40°C



Viscosity @ 40°C



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0118725  
**Lab Number** : 06177621  
**Unique Number** : 11023674  
**Test Package** : FLEET

**GFL Environmental - Non-Engine**

**Received** : 13 May 2024  
**Tested** : 14 May 2024  
**Diagnosed** : 15 May 2024 - Don Baldrige

US  
 Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:  
 F: