



# OIL ANALYSIS REPORT

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

Machine Id  
**73255 OUTBACK TENSION**

Component  
**Hydraulic System**

Fluid  
**PETRO CANADA ATF DEXRON III/MERCON (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0686003</b>	WC0800978	WC0566603
Sample Date		Client Info		<b>15 Mar 2024</b>	28 Mar 2023	19 Mar 2022
Machine Age	hrs	Client Info		<b>18615</b>	18415	18181
Oil Age	hrs	Client Info		<b>11916</b>	11716	11482
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>NORMAL</b>	NORMAL	ATTENTION

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>20	<b>4</b>	4	4
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>20	<b>7</b>	8	7
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	1
Copper	ppm	ASTM D5185(m)	>20	<b>2</b>	2	2
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<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

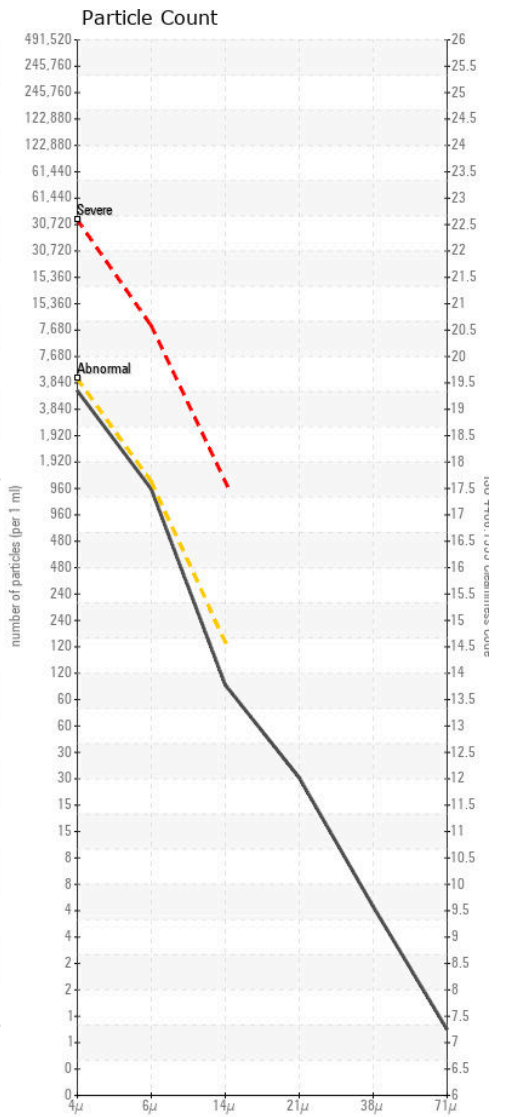
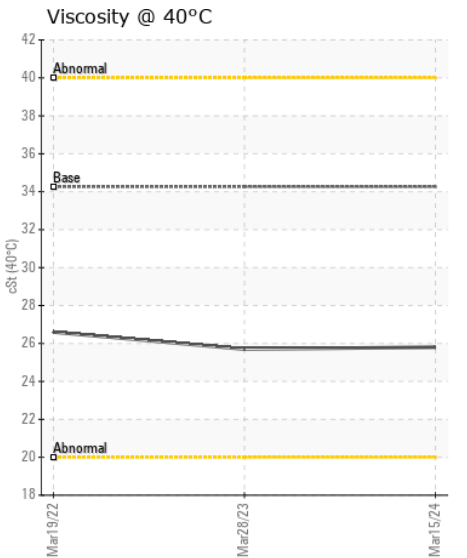
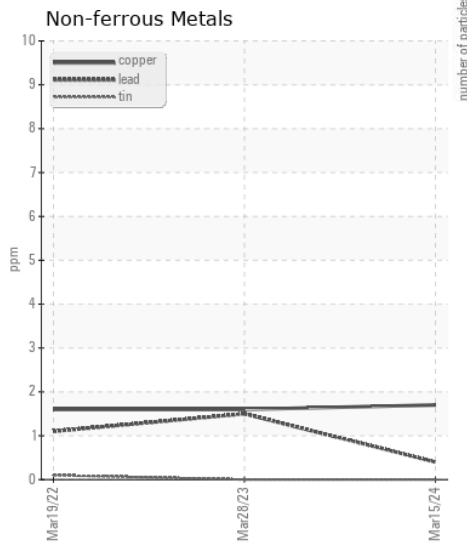
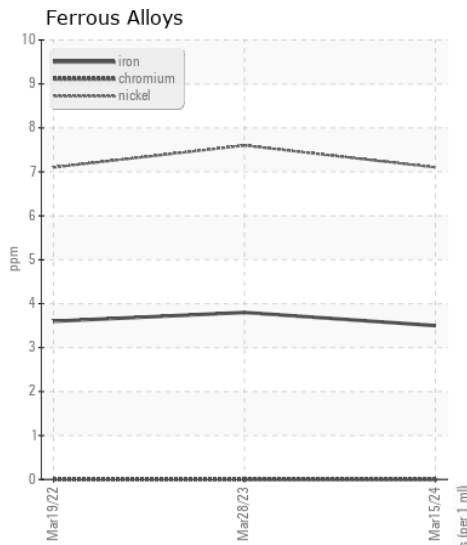
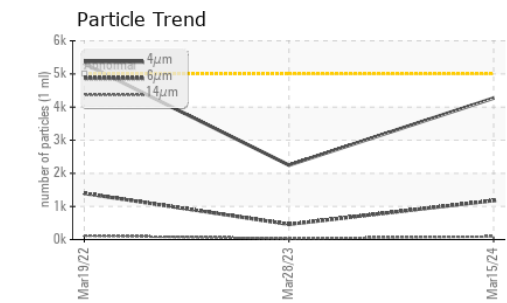
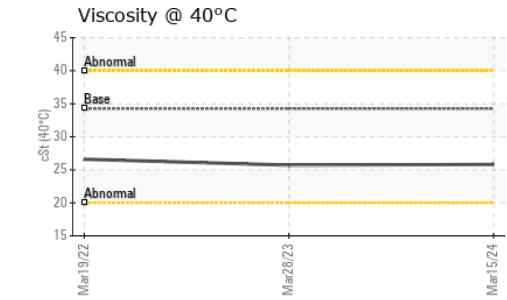
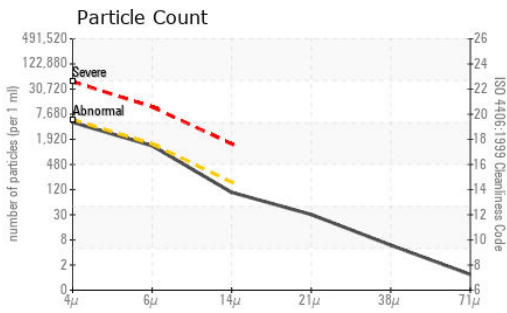
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	2	2
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Water		WC Method	>0.05	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>4270</b>	2247	5310
Particles >6µm		ASTM D7647	>1300	<b>1179</b>	461	1395
Particles >14µm		ASTM D7647	>160	<b>91</b>	30	116
Particles >21µm		ASTM D7647	>40	<b>27</b>	8	36
Particles >38µm		ASTM D7647	>10	<b>5</b>	0	6
Particles >71µm		ASTM D7647	>3	<b>1</b>	0	2
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>19/17/14</b>	18/16/12	20/18/14
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>	VLITE	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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>3</b>	4	3
Boron	ppm	ASTM D5185(m)	130	<b>91</b>	93	93
Barium	ppm	ASTM D5185(m)	1.0	<b>&lt;1</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)	0.0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	1.0	<b>1</b>	1	1
Calcium	ppm	ASTM D5185(m)	20	<b>51</b>	52	50
Phosphorus	ppm	ASTM D5185(m)	280	<b>321</b>	355	329
Zinc	ppm	ASTM D5185(m)	10	<b>138</b>	135	135
Sulfur	ppm	ASTM D5185(m)	440	<b>1036</b>	1093	1031
Visc @ 40°C	cSt	ASTM D7279(m)	34.26	<b>25.8</b>	25.7	26.6



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0686003  
**Lab Number** : 02626679  
**Unique Number** : 5759811  
**Test Package** : MOB 2  
**Received** : 04 Apr 2024  
**Tested** : 05 Apr 2024  
**Diagnosed** : 05 Apr 2024 - Wes Davis

**Mount St. Louis Moonstone**  
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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.