



# OIL ANALYSIS REPORT

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

Machine Id  
**BM LIFTS CH #1A GENTLE BEN 68579**  
 Component  
**Gearbox**  
 Fluid  
**PETRO CANADA ULTIMA EP 150 (80 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0679919</b>	WC0358437	WC0328953
Sample Date		Client Info		<b>15 Mar 2024</b>	18 Mar 2020	14 Mar 2019
Machine Age	hrs	Client Info		<b>12256</b>	10975	7356
Oil Age	hrs	Client Info		<b>2503</b>	1222	937
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	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>200	<b>6</b>	6	7
Chromium	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>0</b>	<1	0
Lead	ppm	ASTM D5185(m)	>100	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>200	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>25	<b>0</b>	0	0
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

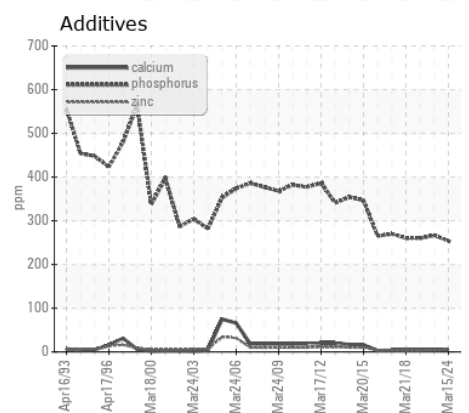
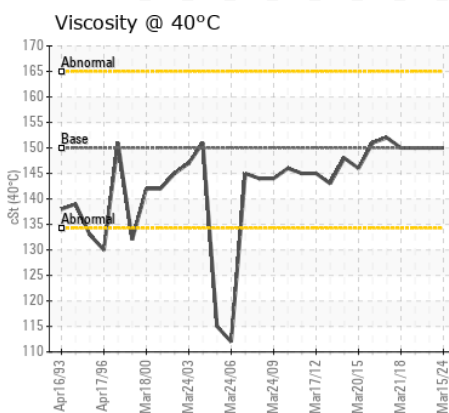
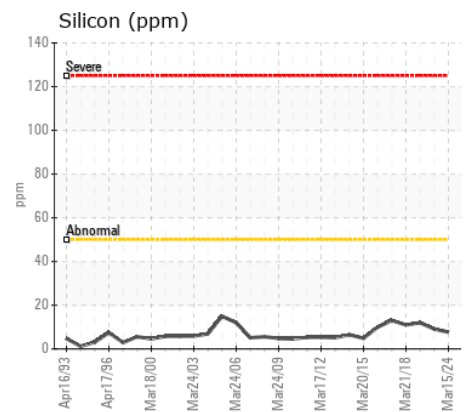
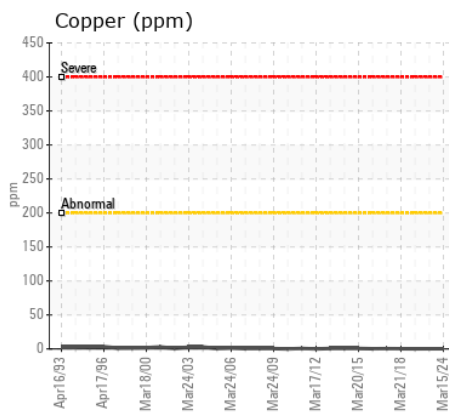
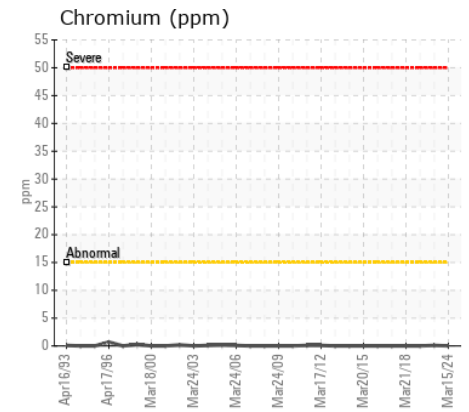
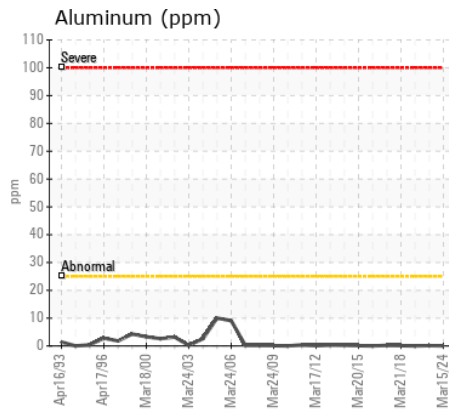
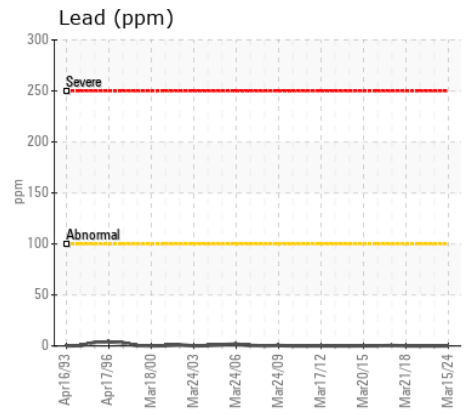
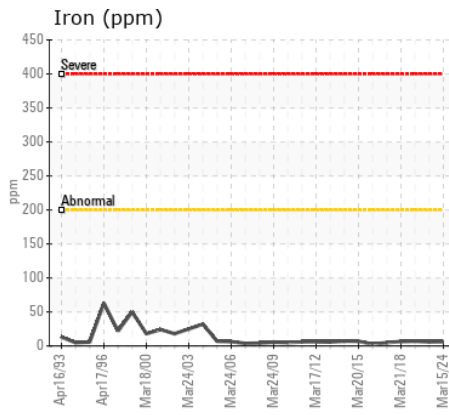
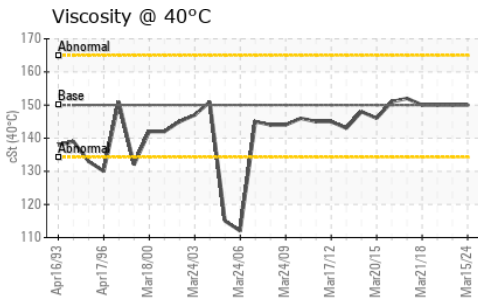
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	<b>8</b>	9	12
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Water		WC Method	>0.2	<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*	>0.2	<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>&lt;1</b>	0	0
Boron	ppm	ASTM D5185(m)	50	<b>27</b>	49	54
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	0	<b>0</b>	<1	<1
Calcium	ppm	ASTM D5185(m)	0	<b>5</b>	4	4
Phosphorus	ppm	ASTM D5185(m)	270	<b>254</b>	267	260
Zinc	ppm	ASTM D5185(m)	0	<b>5</b>	4	4
Sulfur	ppm	ASTM D5185(m)	5300	<b>8284</b>	9078	8756
Visc @ 40°C	cSt	ASTM D7279(m)	150.0	<b>150</b>	150	150



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0679919 **Received** : 04 Apr 2024  
**Lab Number** : 02626775 **Tested** : 04 Apr 2024  
**Unique Number** : 5759907 **Diagnosed** : 04 Apr 2024 - Wes Davis  
**Test Package** : MOB 1

**Mount St. Louis Moonstone**  
 R.R. # 4,, 24 Mount St. Louis Road  
 Coldwater, ON  
 CA L0K 1E0  
 Contact: Andre Huter  
 a.huter@mslm.on.ca  
 T: (705)835-2112  
 F: (705)835-5967

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.