



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area  
**[24322]**  
 Machine Id  
**17-57**  
 Component  
**Pump**  
 Fluid

**PETRO CANADA SYNDURO SHB ISO 220 (--- GAL)**

## RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.  
 Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0895483</b>	WC0794650	WC0745021
Sample Date		Client Info		<b>11 Apr 2024</b>	01 May 2023	26 Jan 2023
Machine Age	hrs	Client Info		<b>0</b>	0	201178
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>ATTENTION</b>	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	<b>14</b>	38	12
Chromium	ppm	ASTM D5185(m)	>7	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>3</b>	13	6
Lead	ppm	ASTM D5185(m)	>35	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	1	<1
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	<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

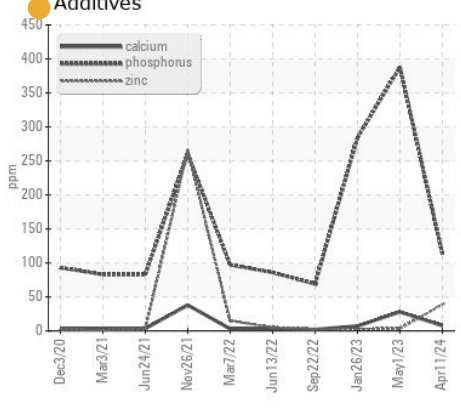
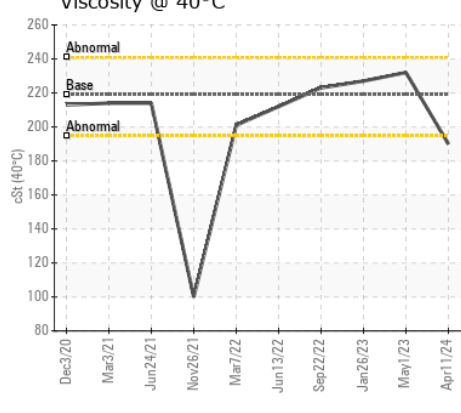
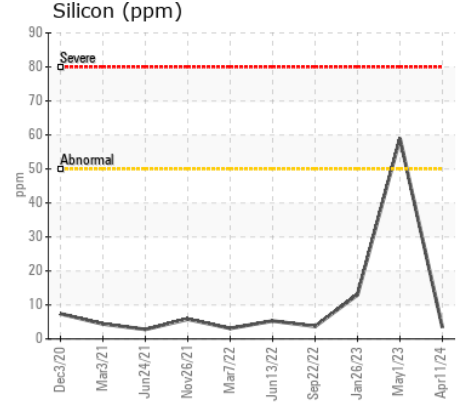
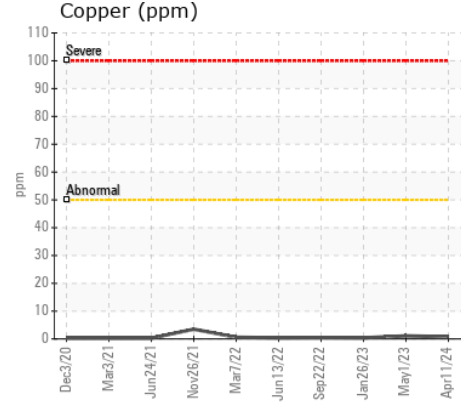
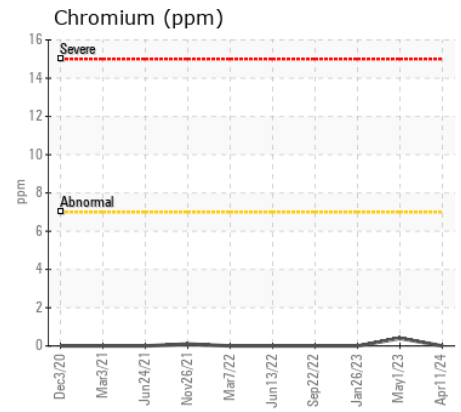
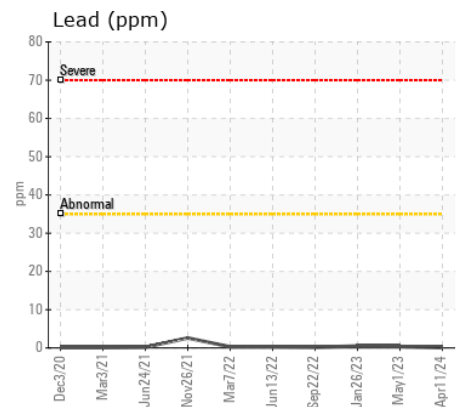
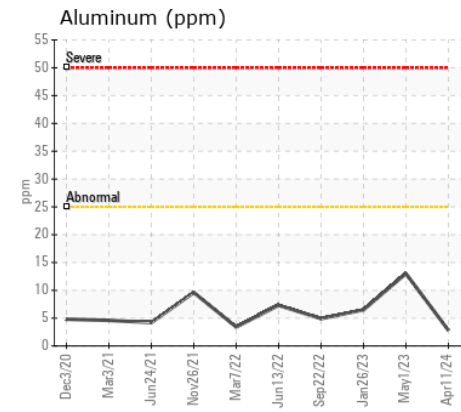
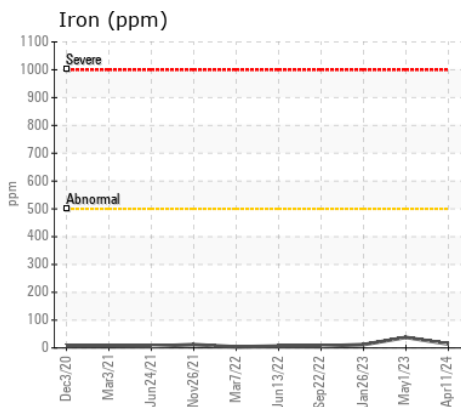
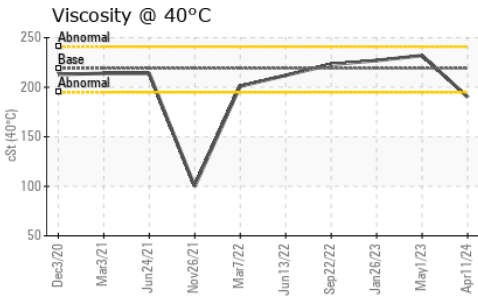
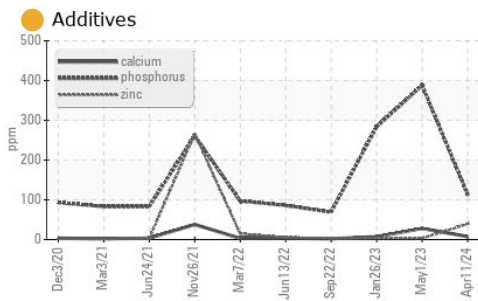
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	<b>3</b>	▲ 59	13
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	3	<1
Water		WC Method	>.1	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	LIGHT	NONE
Debris	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	▲ LAYRD	▲ LAYRD
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>.1	<b>NEG</b>	1%	1%

## FLUID CONDITION

The oil viscosity is lower than typical, possibly indicating the addition of lighter grade oil. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	3	<1
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	3
Barium	ppm	ASTM D5185(m)	5.0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	5.0	<b>&lt;1</b>	7	<1
Calcium	ppm	ASTM D5185(m)	5.0	<b>8</b>	28	7
Phosphorus	ppm	ASTM D5185(m)	100	<b>114</b>	388	284
Zinc	ppm	ASTM D5185(m)	5.0	● <b>39</b>	3	3
Sulfur	ppm	ASTM D5185(m)	1900	● <b>3153</b>	230	946
Visc @ 40°C	cSt	ASTM D7279(m)	219	<b>190</b>	232	227



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0895483  
**Lab Number** : 02629662  
**Unique Number** : 5762794  
**Test Package** : MOB 1  
**Received** : 17 Apr 2024  
**Tested** : 17 Apr 2024  
**Diagnosed** : 17 Apr 2024 - Kevin Marson

**OX FLEET CARE**  
 466 HIGHWAY 52  
 DUNDAS, ON  
 CA L9H 5E2  
 Contact: Robert Hughes  
 robert.hughes@ox-equipment.com  
 T: (289)683-6037  
 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.