



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area  
**[25214]**

Machine Id  
**T-16**

Component  
**Blower**

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

## RECOMMENDATION

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

## WEAR

All component wear rates are normal.

## CONTAMINATION

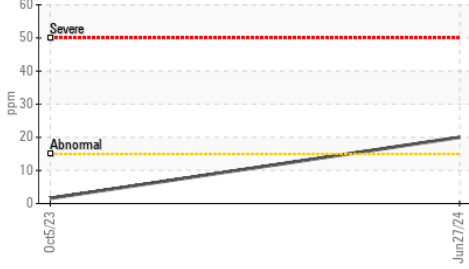
Elemental level of silicon (Si) above normal indicating ingress of seal material.

## FLUID CONDITION

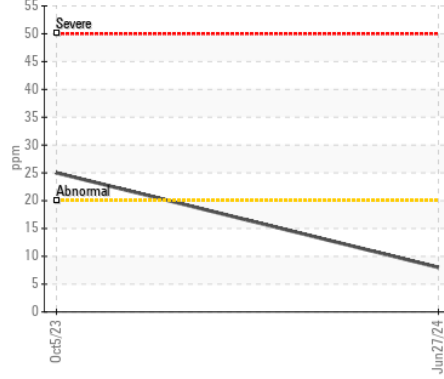
Additive levels indicate the addition of a different brand, or type of oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0941307</b>	WC0842871	---
Sample Date		Client Info		<b>27 Jun 2024</b>	05 Oct 2023	---
Machine Age	hrs	Client Info		<b>0</b>	0	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	Changed	---
Sample Status				<b>ABNORMAL</b>	NORMAL	---
Iron	ppm	ASTM D5185(m)	>20	<b>8</b>	25	---
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	---
Copper	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	---
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Silicon	ppm	ASTM D5185(m)	>15	<b>▲ 20</b>	2	---
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	---
Water		WC Method		<b>NEG</b>	NEG	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	LIGHT	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*		<b>NEG</b>	NEG	---
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	2	---
Boron	ppm	ASTM D5185(m)		<b>1</b>	1	---
Barium	ppm	ASTM D5185(m)	5.0	<b>4</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	5.0	<b>&lt;1</b>	0	---
Calcium	ppm	ASTM D5185(m)	5.0	<b>7</b>	1	---
Phosphorus	ppm	ASTM D5185(m)	100	<b>399</b>	89	---
Zinc	ppm	ASTM D5185(m)	5.0	<b>8</b>	3	---
Sulfur	ppm	ASTM D5185(m)	1900	<b>237</b>	2075	---
Visc @ 40°C	cSt	ASTM D7279(m)	219	<b>229</b>	215	---

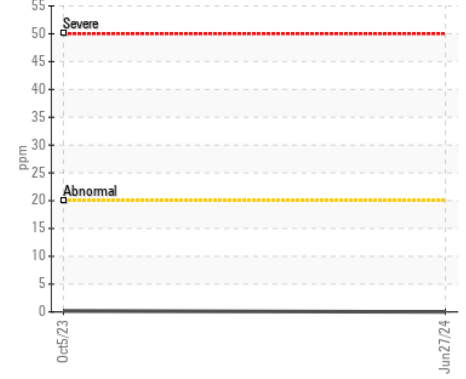
▲ Silicon (ppm)



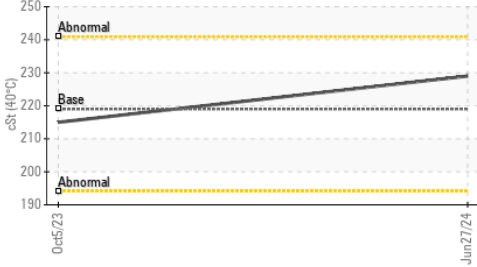
Iron (ppm)



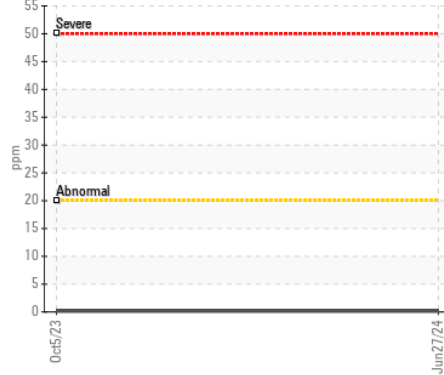
Lead (ppm)



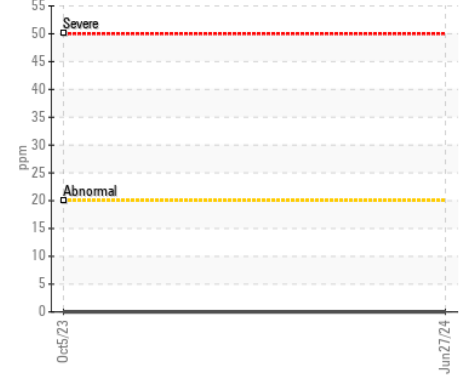
Viscosity @ 40°C



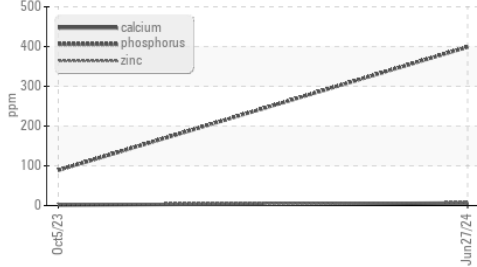
Aluminum (ppm)



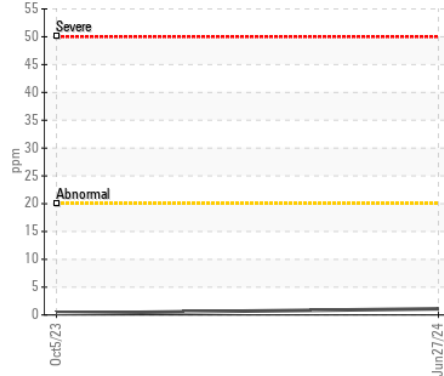
Chromium (ppm)



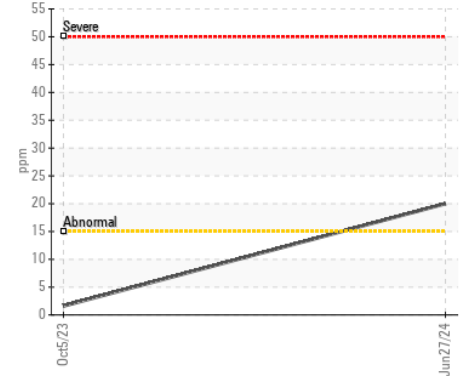
Additives



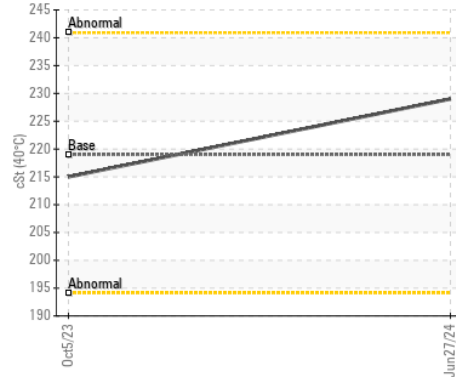
Copper (ppm)



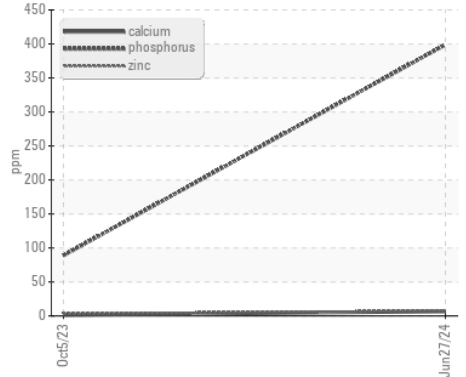
▲ Silicon (ppm)



Viscosity @ 40°C



Additives



ISO 17025:2017  
Accredited  
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Sample No. : WC0941307

Lab Number : 02644940

Unique Number : 5802479

Test Package : MOB 1

Received : 02 Jul 2024

Tested : 02 Jul 2024

Diagnosed : 03 Jul 2024 - Kevin Marson

OX FLEET CARE

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DUNDAS, ON

CA L9H 5E2

Contact: Robert Hughes

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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.