MOB I

WEAR CHECK

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
120
Component
Hydraulic System
Fluid
PETRO CANADA 10W (--- GAL)

RECOMMENDATION

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

The iron level is abnormal. All other component wear rates are normal.

CONTAMINATION

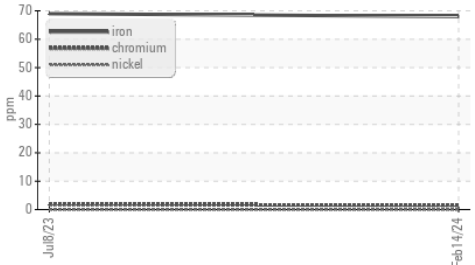
There is no indication of any contamination in the oil.

FLUID CONDITION

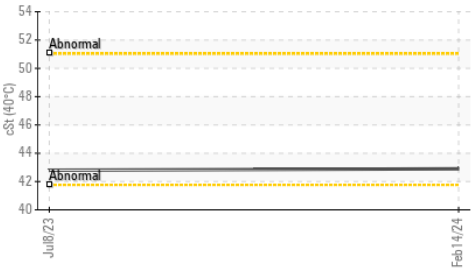
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WC0878820**	WC0822396	---
Sample Date		Client Info		**14 Feb 2024**	08 Jul 2023	---
Machine Age	hrs	Client Info		**10236**	9627	---
Oil Age	hrs	Client Info		**220**	261	---
Filter Age	hrs	Client Info		**220**	261	---
Oil Changed		Client Info		**Not Changd**	N/A	---
Filter Changed		Client Info		**Changed**	N/A	---
Sample Status				**ABNORMAL**	ABNORMAL	---
Iron	ppm	ASTM D5185m	>20	▲ **68**	▲ 69	---
Chromium	ppm	ASTM D5185m	>10	**2**	2	---
Nickel	ppm	ASTM D5185m	>10	**0**	0	---
Titanium	ppm	ASTM D5185m		**0**	0	---
Silver	ppm	ASTM D5185m		**0**	0	---
Aluminum	ppm	ASTM D5185m	>10	**2**	2	---
Lead	ppm	ASTM D5185m	>10	**<1**	<1	---
Copper	ppm	ASTM D5185m	>75	**4**	5	---
Tin	ppm	ASTM D5185m	>10	**0**	0	---
Vanadium	ppm	ASTM D5185m		**0**	0	---
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Silicon	ppm	ASTM D5185m	>20	**5**	5	---
Potassium	ppm	ASTM D5185m	>20	**0**	1	---
Water		WC Method	>0.1	**NEG**	NEG	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	---
Appearance	scalar	*Visual	NORML	**NORML**	NORML	---
Odor	scalar	*Visual	NORML	**NORML**	NORML	---
Emulsified Water	scalar	*Visual	>0.1	**NEG**	NEG	---
Sodium	ppm	ASTM D5185m		**5**	2	---
Boron	ppm	ASTM D5185m		**26**	29	---
Barium	ppm	ASTM D5185m		**<1**	0	---
Molybdenum	ppm	ASTM D5185m		**<1**	1	---
Manganese	ppm	ASTM D5185m		**<1**	<1	---
Magnesium	ppm	ASTM D5185m		**12**	14	---
Calcium	ppm	ASTM D5185m		**1161**	1092	---
Phosphorus	ppm	ASTM D5185m		**814**	787	---
Zinc	ppm	ASTM D5185m		**994**	1009	---
Sulfur	ppm	ASTM D5185m		**2232**	2203	---
Visc @ 40°C	cSt	ASTM D445		**42.9**	42.8	---

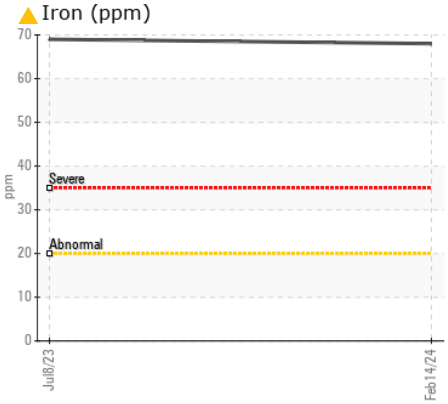
Ferrous Alloys



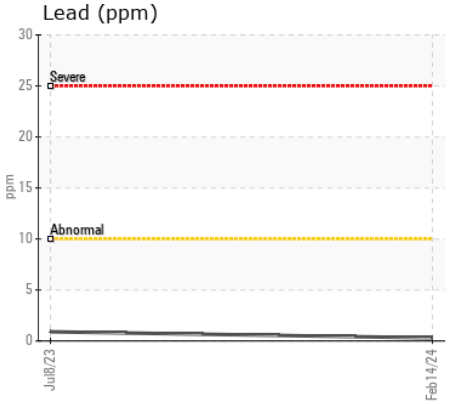
Viscosity @ 40°C



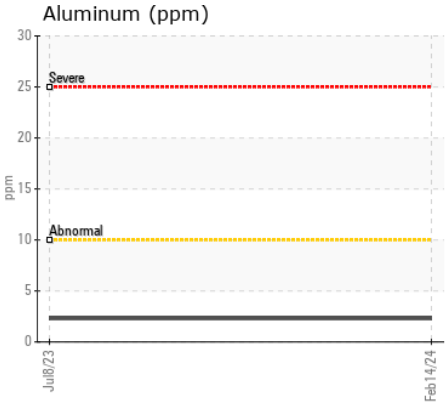
Iron (ppm)



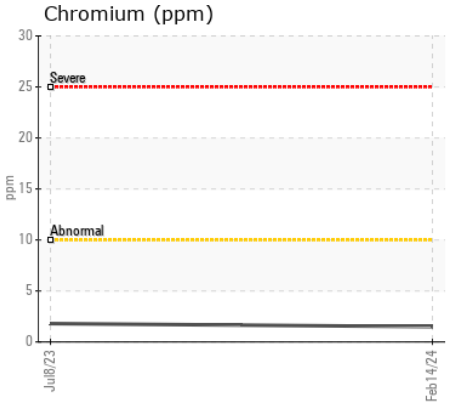
Lead (ppm)



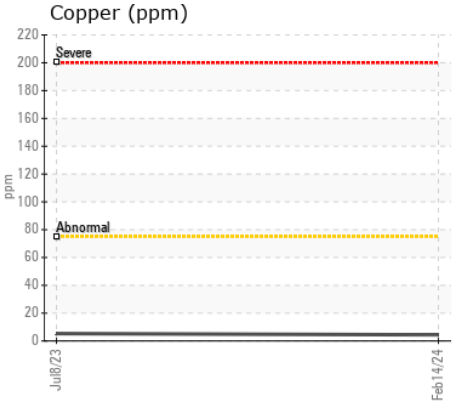
Aluminum (ppm)



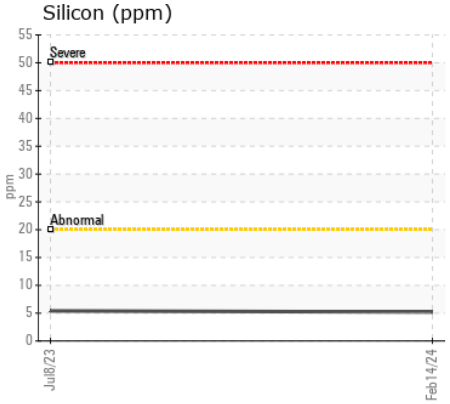
Chromium (ppm)



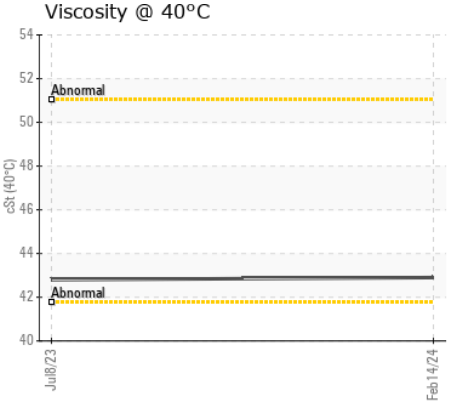
Copper (ppm)



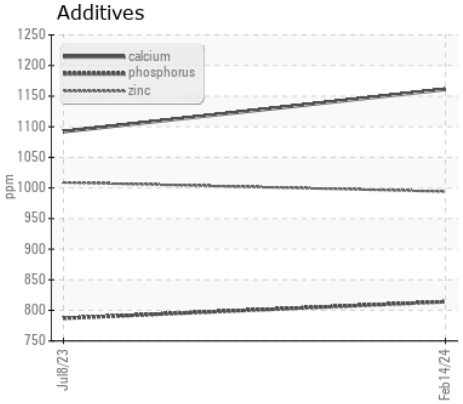
Silicon (ppm)



Viscosity @ 40°C



Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0878820
Lab Number : 06105670
Unique Number : 10903900
Test Package : MOB 1

Received : 29 Feb 2024
Tested : 02 Mar 2024
Diagnosed : 04 Mar 2024 - Don Baldridge

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)

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