MOB 1 WEAR CHECK

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
133
Component
Hydraulic System
Fluid
PETRO CANADA 10W (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

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

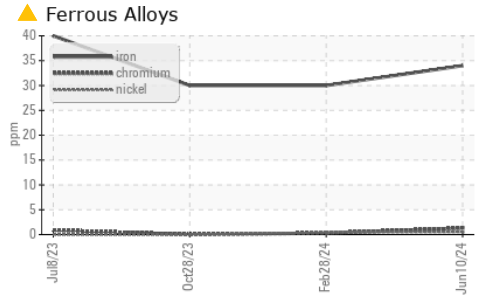
CONTAMINATION

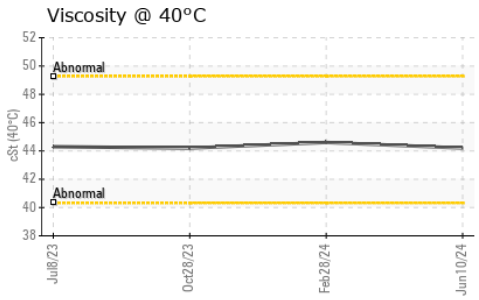
There is no indication of any contamination in the oil.

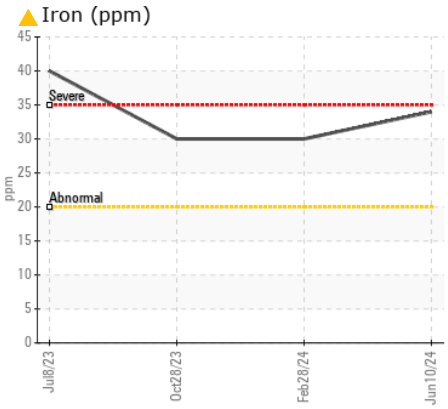
FLUID CONDITION

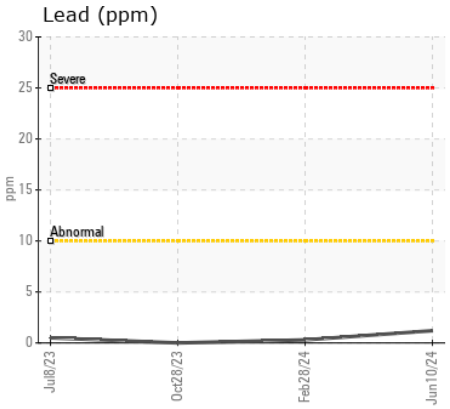
The condition of the oil is acceptable for the time in service.

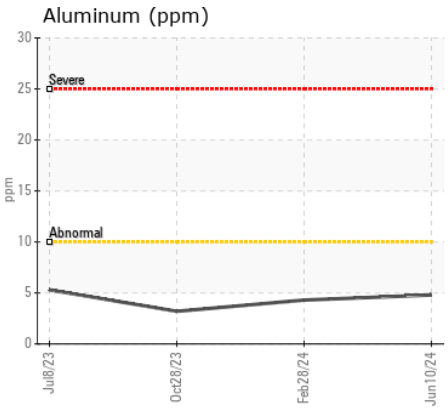
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WC0917223**	WC0893820	WC0868154
Sample Date		Client Info		**10 Jun 2024**	28 Feb 2024	28 Oct 2023
Machine Age	hrs	Client Info		**7798**	7240	6638
Oil Age	hrs	Client Info		**2000**	264	279
Filter Age	hrs	Client Info		**500**	264	279
Oil Changed		Client Info		**Not Changd**	N/A	Not Changd
Filter Changed		Client Info		**Changed**	N/A	Changed
Sample Status				**ABNORMAL**	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>20	▲ **34**	▲ 30	▲ 30
Chromium	ppm	ASTM D5185m	>10	**1**	<1	0
Nickel	ppm	ASTM D5185m	>10	**<1**	<1	0
Titanium	ppm	ASTM D5185m		**1**	<1	<1
Silver	ppm	ASTM D5185m		**<1**	<1	0
Aluminum	ppm	ASTM D5185m	>10	**5**	4	3
Lead	ppm	ASTM D5185m	>10	**1**	<1	0
Copper	ppm	ASTM D5185m	>75	**13**	12	13
Tin	ppm	ASTM D5185m	>10	**<1**	<1	0
Vanadium	ppm	ASTM D5185m		**<1**	0	0
White Metal	scalar	*Visual	NONE	**NONE**	NONE	▲ MODER
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	**10**	8	7
Potassium	ppm	ASTM D5185m	>20	**3**	2	0
Water		WC Method	>0.1	**NEG**	NEG	NEG
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185m		**2**	4	2
Boron	ppm	ASTM D5185m		**31**	30	30
Barium	ppm	ASTM D5185m		**2**	0	0
Molybdenum	ppm	ASTM D5185m		**2**	0	0
Manganese	ppm	ASTM D5185m		**1**	<1	0
Magnesium	ppm	ASTM D5185m		**51**	50	44
Calcium	ppm	ASTM D5185m		**1488**	1390	1234
Phosphorus	ppm	ASTM D5185m		**815**	806	630
Zinc	ppm	ASTM D5185m		**1046**	1010	816
Sulfur	ppm	ASTM D5185m		**2401**	2409	2015
Visc @ 40°C	cSt	ASTM D445		**44.2**	44.6	44.2

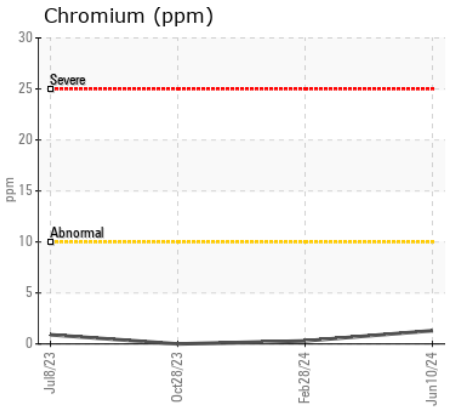


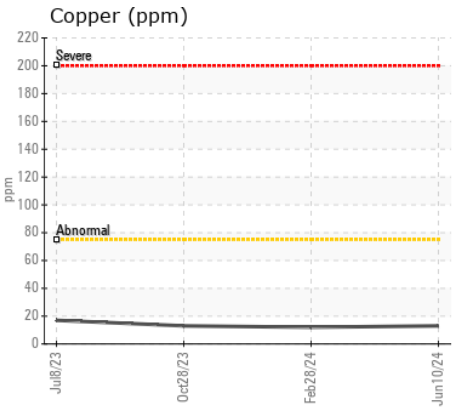


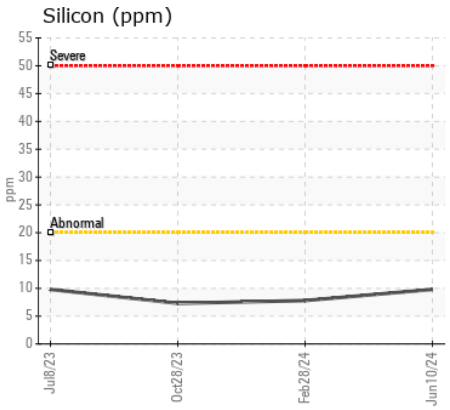


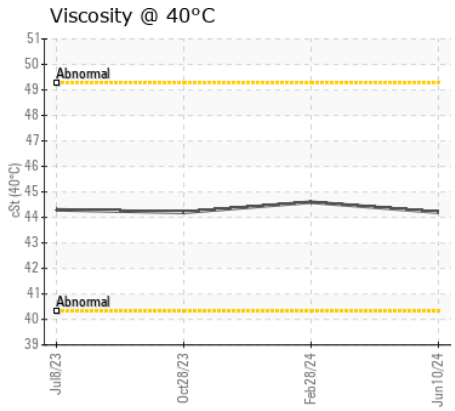


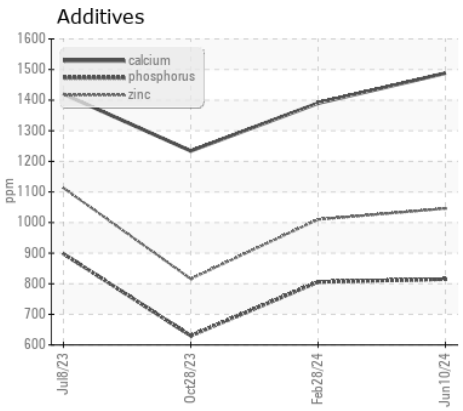












Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0917223
Lab Number : 06222700
Unique Number : 11100897
Test Package : MOB 1

Received : 27 Jun 2024
Tested : 28 Jun 2024
Diagnosed : 29 Jun 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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