MOB I WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
L1338
Component
Diesel Engine
Fluid
CHEVRON DELO 400 SAE 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

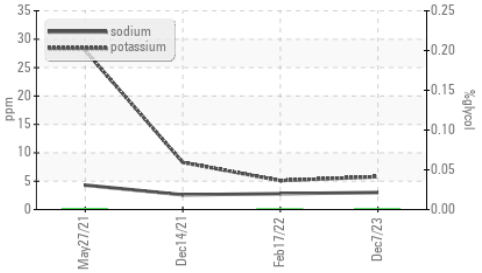
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

FLUID CONDITION

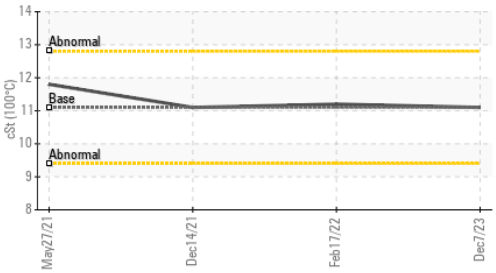
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WC0737852**	WC0554064	WC0554090
Sample Date		Client Info		**07 Dec 2023**	17 Feb 2022	14 Dec 2021
Machine Age	kms	Client Info		**266544**	166884	157300
Oil Age	kms	Client Info		**0**	0	0
Filter Age	kms	Client Info		**0**	0	0
Oil Changed		Client Info		**Changed**	Changed	Changed
Filter Changed		Client Info		**Changed**	Changed	Changed
Sample Status				**NORMAL**	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185(m)	>90	**33**	15	17
Chromium	ppm	ASTM D5185(m)	>20	**<1**	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	**<1**	0	<1
Titanium	ppm	ASTM D5185(m)	>2	**0**	<1	0
Silver	ppm	ASTM D5185(m)	>2	**0**	0	0
Aluminum	ppm	ASTM D5185(m)	>20	**8**	9	8
Lead	ppm	ASTM D5185(m)	>40	**<1**	0	0
Copper	ppm	ASTM D5185(m)	>330	**2**	1	2
Tin	ppm	ASTM D5185(m)	>15	**0**	0	<1
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Silicon	ppm	ASTM D5185(m)	>25	**4**	6	7
Potassium	ppm	ASTM D5185(m)	>20	**6**	5	8
Fuel		WC Method	>3.0	**<1.0**	▲ 1.9	▲ 1.5
Water		WC Method	>0.2	**NEG**	NEG	NEG
Glycol	%	ASTM D7922*		**0.0**	0.0	NEG
Soot %	%	ASTM D7844*	>6	**0.6**	0.3	0.2
Nitration	Abs/cm	ASTM D7624*	>20	**12.3**	8.7	9.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	**26.1**	19.6	20.5
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185(m)		**3**	3	3
Boron	ppm	ASTM D5185(m)		**28**	122	▲ 78
Barium	ppm	ASTM D5185(m)		**0**	0	0
Molybdenum	ppm	ASTM D5185(m)		**12**	27	▲ 13
Manganese	ppm	ASTM D5185(m)		**0**	<1	<1
Magnesium	ppm	ASTM D5185(m)		**657**	656	721
Calcium	ppm	ASTM D5185(m)		**1442**	1369	1319
Phosphorus	ppm	ASTM D5185(m)	1260	**668**	690	733
Zinc	ppm	ASTM D5185(m)	1400	**772**	776	786
Sulfur	ppm	ASTM D5185(m)		**2591**	2496	2525
Oxidation	Abs/.1mm	ASTM D7414*	>25	**22.1**	13.7	14.3
Visc @ 100°C	cSt	ASTM D7279(m)	11.1	**11.1**	▲ 11.2	▲ 11.1

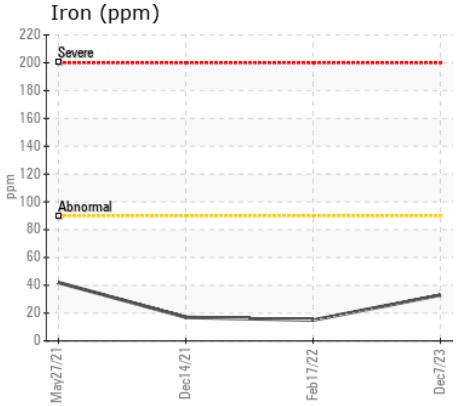
Glycol Contamination



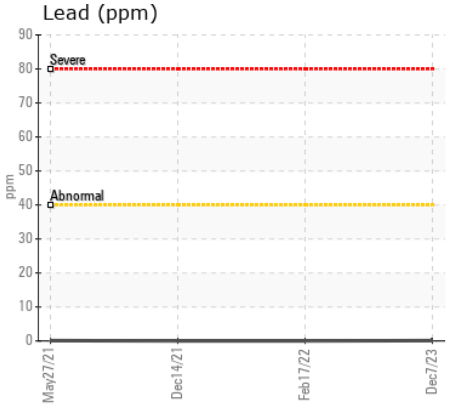
Viscosity @ 100°C



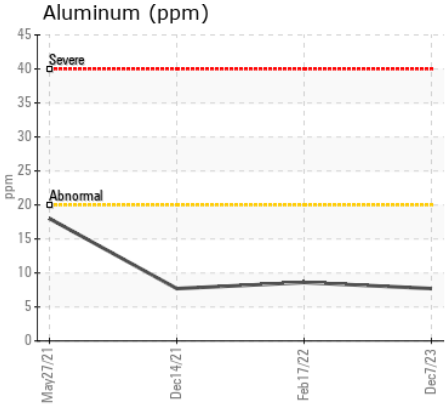
Iron (ppm)



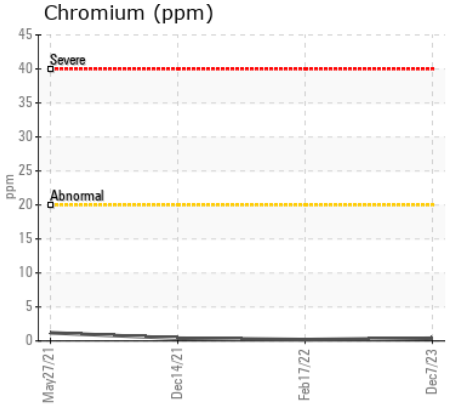
Lead (ppm)



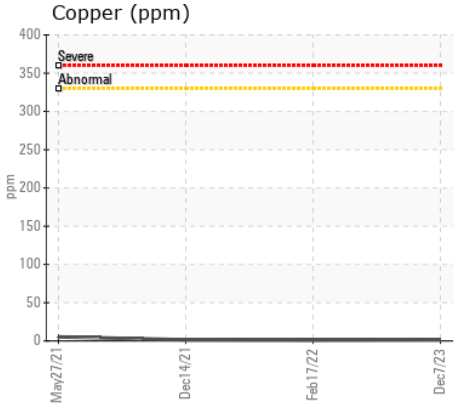
Aluminum (ppm)



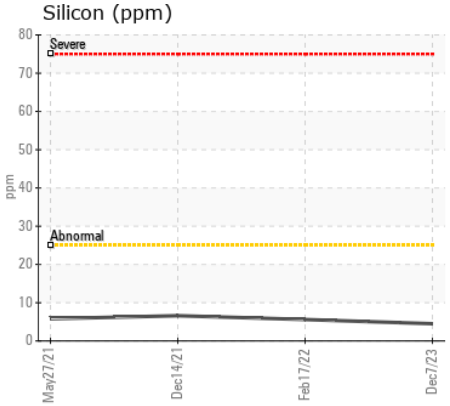
Chromium (ppm)



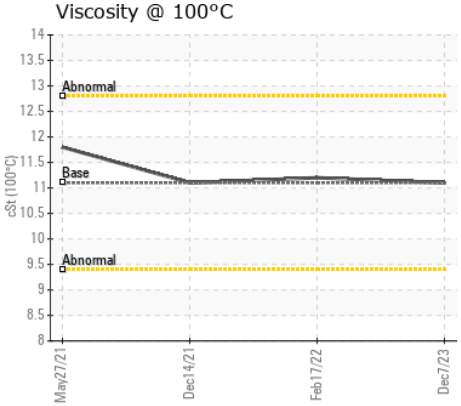
Copper (ppm)



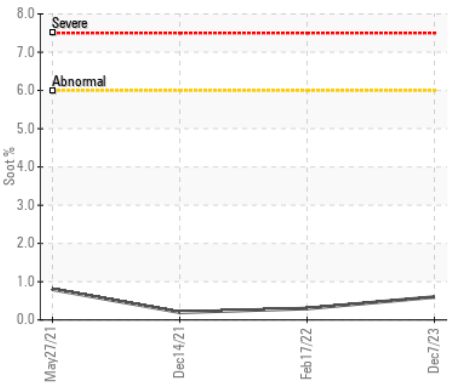
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9	**RUSH TRUCK CENTRES OF CANADA**	
Sample No.	: WC0737852	**Recieved**	: 12 Jan 2024
Lab Number	: 02608448	**Diagnosed**	: 15 Jan 2024
Unique Number	: 5709534	**Diagnostician**	: Wes Davis
Test Package	: MOB 1 (Additional Tests: Glycol)		

77 BELLEVUE DR
BELLEVILLE, ON
CA K8N 4Z5
Contact: Service Manager
LBRETT@RUSHTRUCKCENTRES.CA
T:
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.