MOB I

WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Area
[43183763]
Machine Id
7528
Component
Diesel Engine
Fluid
CHEVRON DELO 400 SAE 10W30 (--- LTR)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.

WEAR

Metal levels are typical for a new component breaking in.

CONTAMINATION

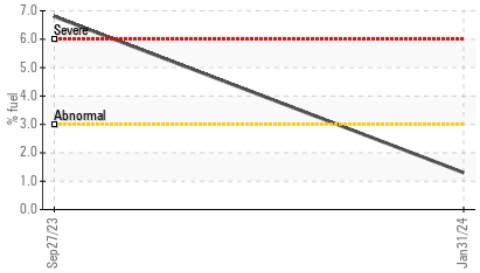
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Light fuel dilution occurring. No other contaminants were detected in the oil.

FLUID CONDITION

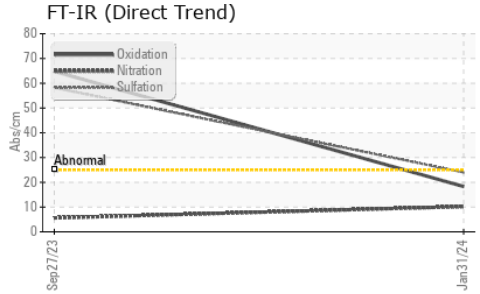
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WC0737692**	WC0737815	---
Sample Date		Client Info		**31 Jan 2024**	27 Sep 2023	---
Machine Age	kms	Client Info		**85772**	22107	---
Oil Age	kms	Client Info		**63000**	22107	---
Filter Age	kms	Client Info		**63000**	22107	---
Oil Changed		Client Info		**Changed**	Changed	---
Filter Changed		Client Info		**Changed**	Changed	---
Sample Status				**MARGINAL**	SEVERE	---
Iron	ppm	ASTM D5185(m)	>90	**30**	62	---
Chromium	ppm	ASTM D5185(m)	>20	**1**	<1	---
Nickel	ppm	ASTM D5185(m)	>2	**<1**	<1	---
Titanium	ppm	ASTM D5185(m)	>2	**0**	0	---
Silver	ppm	ASTM D5185(m)	>2	**0**	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	**8**	6	---
Lead	ppm	ASTM D5185(m)	>40	**4**	6	---
Copper	ppm	ASTM D5185(m)	>330	**10**	217	---
Tin	ppm	ASTM D5185(m)	>15	**2**	2	---
Vanadium	ppm	ASTM D5185(m)		**0**	0	---
Silicon	ppm	ASTM D5185(m)	>25	**11**	28	---
Potassium	ppm	ASTM D5185(m)	>20	**21**	13	---
Fuel	%	ASTM D7593*	>3.0	▲ **1.3**	▲ 6.8	---
Water		WC Method	>0.2	**NEG**	NEG	---
Glycol		WC Method		**NEG**	NEG	---
Soot %	%	ASTM D7844*	>6	**0.2**	0	---
Nitration	Abs/cm	ASTM D7624*	>20	**10.2**	5.6	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	**24.0**	58.2	---
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	---
Sodium	ppm	ASTM D5185(m)		**3**	6	---
Boron	ppm	ASTM D5185(m)		**26**	119	---
Barium	ppm	ASTM D5185(m)		**<1**	3	---
Molybdenum	ppm	ASTM D5185(m)		**8**	34	---
Manganese	ppm	ASTM D5185(m)		**1**	7	---
Magnesium	ppm	ASTM D5185(m)		**731**	261	---
Calcium	ppm	ASTM D5185(m)		**1392**	1054	---
Phosphorus	ppm	ASTM D5185(m)	1260	**705**	1087	---
Zinc	ppm	ASTM D5185(m)	1400	**813**	699	---
Sulfur	ppm	ASTM D5185(m)		**2449**	9778	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	**18.3**	64.8	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.1	**11.2**	11.9	---

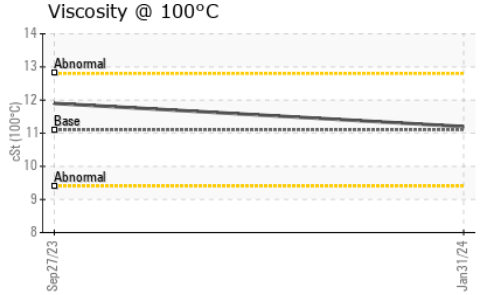
Fuel Dilution



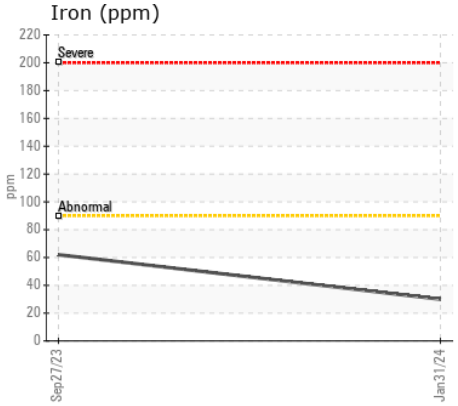
FT-IR (Direct Trend)



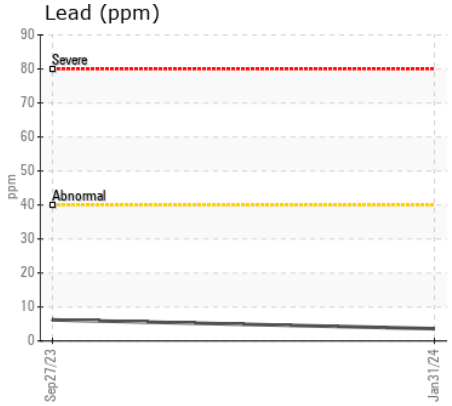
Viscosity @ 100°C



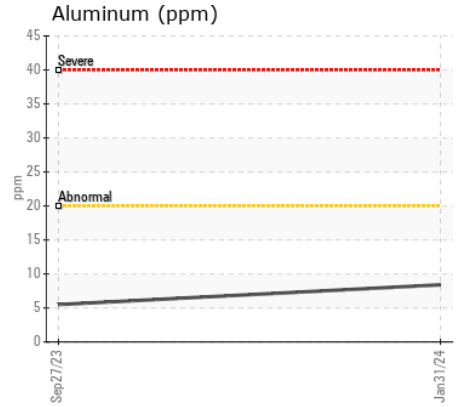
Iron (ppm)



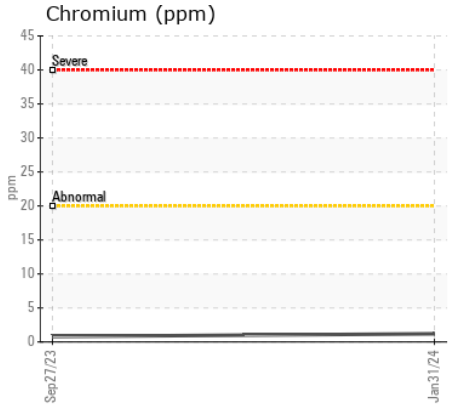
Lead (ppm)



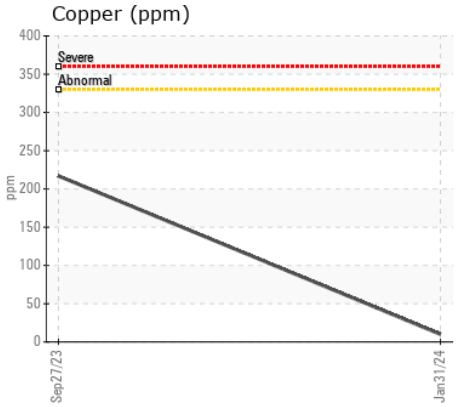
Aluminum (ppm)



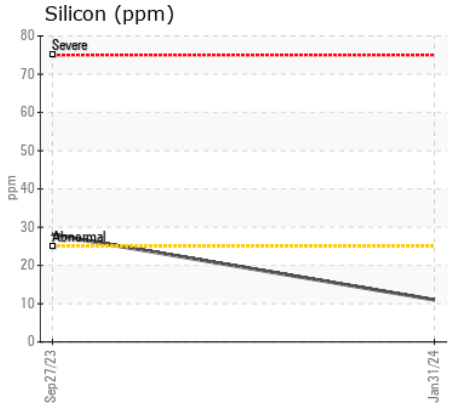
Chromium (ppm)



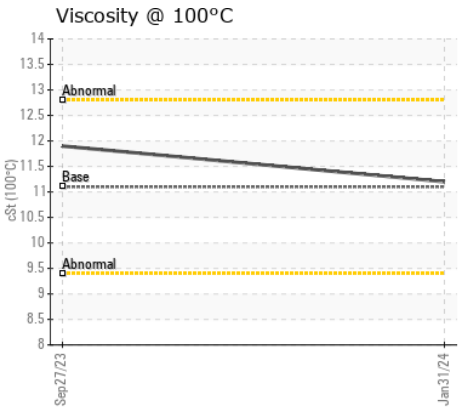
Copper (ppm)



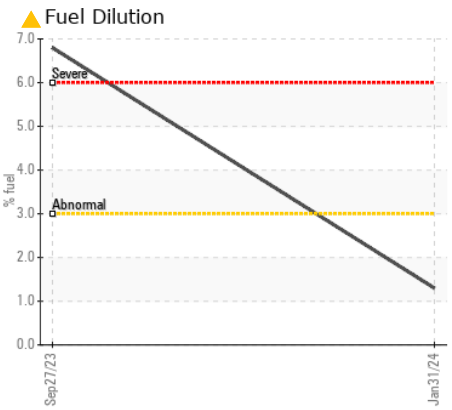
Silicon (ppm)



Viscosity @ 100°C



Fuel Dilution



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0737692
Lab Number : 02627673
Unique Number : 5760805
Test Package : MOB 1 (Additional Tests: PercentFuel)

Received : 09 Apr 2024
Tested : 11 Apr 2024
Diagnosed : 11 Apr 2024 - Wes Davis

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.

RUSH TRUCK CENTRES OF CANADA
1750 MCCONNELL AVE
CORNWALL, ON
CA K6H 5V3
Contact: Service Manager
cornwallservice@rushtruckcentres.ca
T:
F: