



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[44633638]

Machine Id

L1447

Component

Diesel Engine

Fluid

CHEVRON DELO 400 SAE 10W30 (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0703077	---	---
Sample Date		Client Info		15 May 2024	---	---
Machine Age	kms	Client Info		77750	---	---
Oil Age	kms	Client Info		77750	---	---
Filter Age	kms	Client Info		77750	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

Metal levels are typical for a components first oil change.

Iron	ppm	ASTM D5185(m)	>90	69	---	---
Chromium	ppm	ASTM D5185(m)	>20	1	---	---
Nickel	ppm	ASTM D5185(m)	>2	<1	---	---
Titanium	ppm	ASTM D5185(m)	>2	0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	9	---	---
Lead	ppm	ASTM D5185(m)	>40	5	---	---
Copper	ppm	ASTM D5185(m)	>330	23	---	---
Tin	ppm	ASTM D5185(m)	>15	3	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

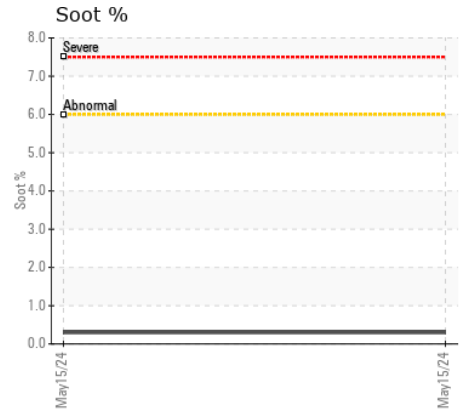
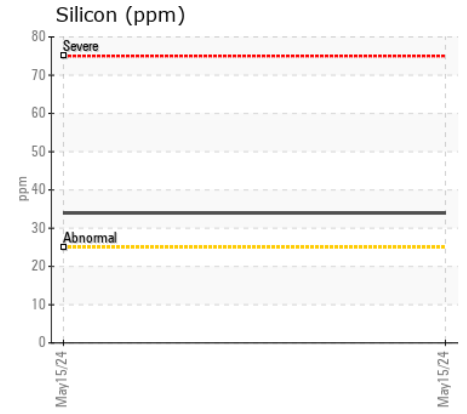
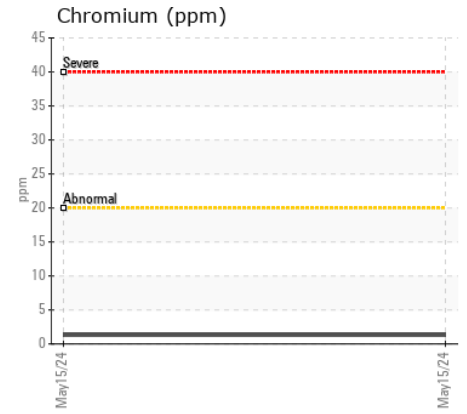
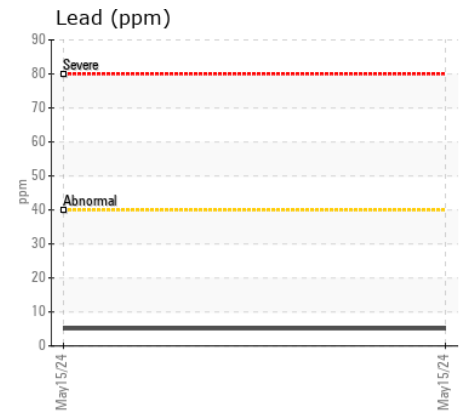
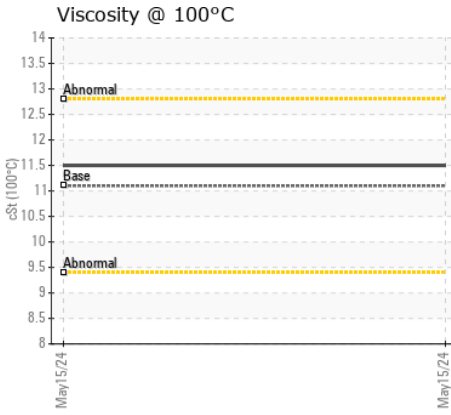
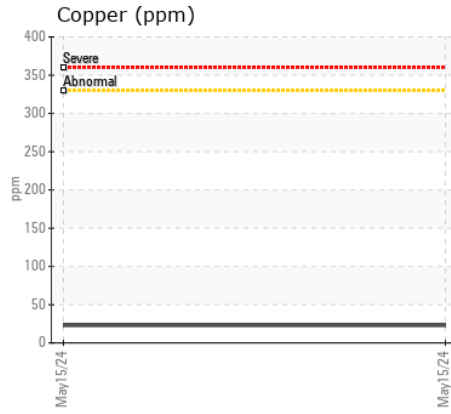
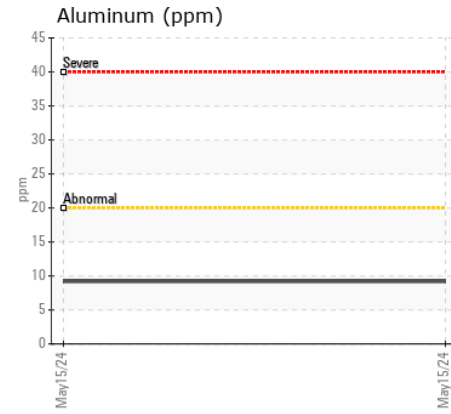
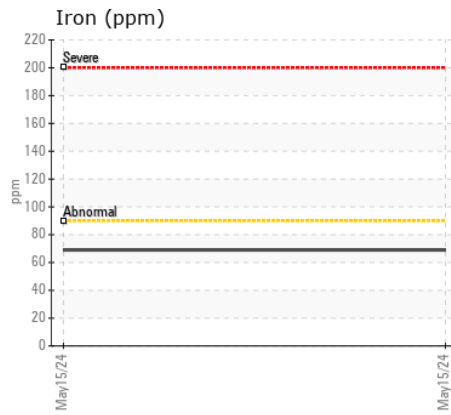
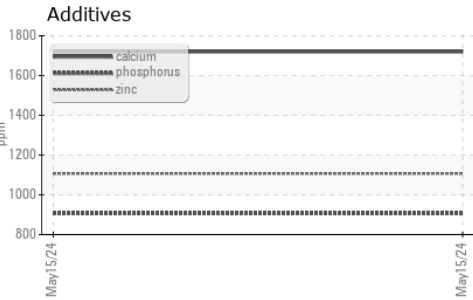
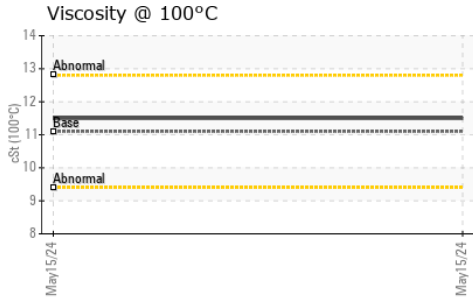
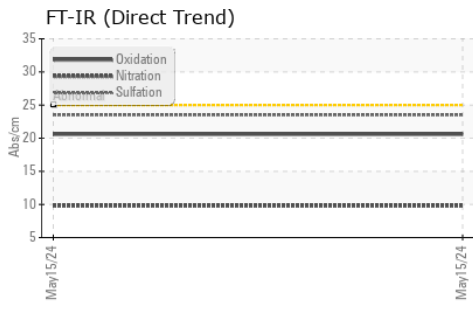
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	34	---	---
Potassium	ppm	ASTM D5185(m)	>20	29	---	---
Fuel		WC Method	>3.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>6	0.3	---	---
Nitration	Abs/cm	ASTM D7624*	>20	9.8	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.5	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		5	---	---
Boron	ppm	ASTM D5185(m)		30	---	---
Barium	ppm	ASTM D5185(m)		4	---	---
Molybdenum	ppm	ASTM D5185(m)		54	---	---
Manganese	ppm	ASTM D5185(m)		4	---	---
Magnesium	ppm	ASTM D5185(m)		502	---	---
Calcium	ppm	ASTM D5185(m)		1720	---	---
Phosphorus	ppm	ASTM D5185(m)	1260	906	---	---
Zinc	ppm	ASTM D5185(m)	1400	1107	---	---
Sulfur	ppm	ASTM D5185(m)		2230	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	20.6	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.1	11.5	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0703077
Lab Number : 02639009
Unique Number : 5788171
Test Package : MOB 1

Received : 30 May 2024
Tested : 30 May 2024
Diagnosed : 30 May 2024 - Wes Davis

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

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.

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F: