



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Area

[43329090]

Machine Id

1471M

Component

Diesel Engine

Fluid

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

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0737693	WC0553356	---
Sample Date		Client Info		12 Feb 2024	28 Jun 2022	---
Machine Age	kms	Client Info		52107	7564	---
Oil Age	kms	Client Info		5600	7564	---
Filter Age	kms	Client Info		5600	7564	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				MARGINAL	NORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>130	49	142	---
Chromium	ppm	ASTM D5185(m)	>10	2	4	---
Nickel	ppm	ASTM D5185(m)	>4	0	<1	---
Titanium	ppm	ASTM D5185(m)	>2	0	<1	---
Silver	ppm	ASTM D5185(m)	>2	0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	3	6	---
Lead	ppm	ASTM D5185(m)	>20	0	2	---
Copper	ppm	ASTM D5185(m)	>125	<1	67	---
Tin	ppm	ASTM D5185(m)	>4	0	1	---
Vanadium	ppm	ASTM D5185(m)		0	<1	---

CONTAMINATION

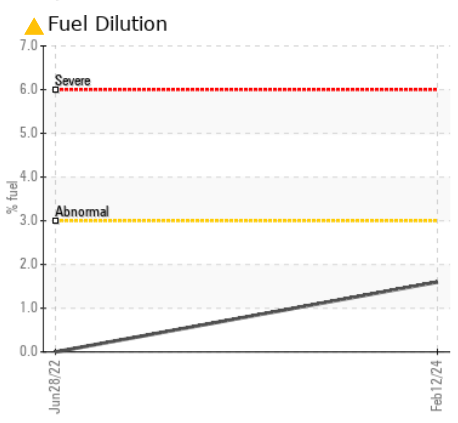
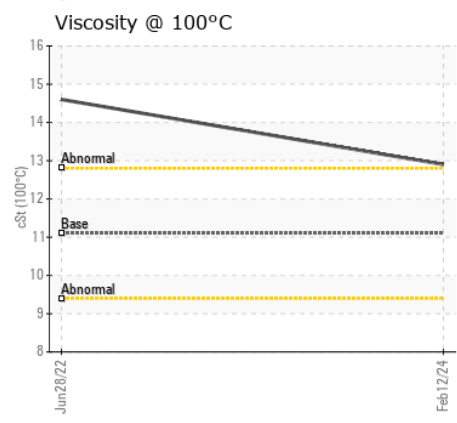
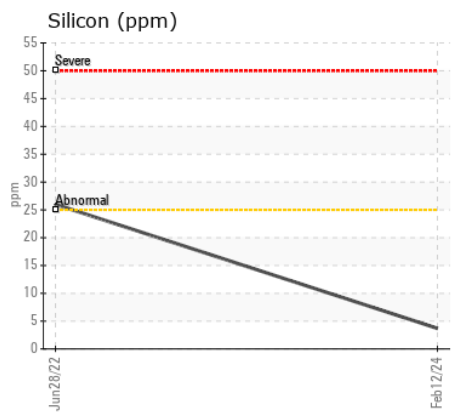
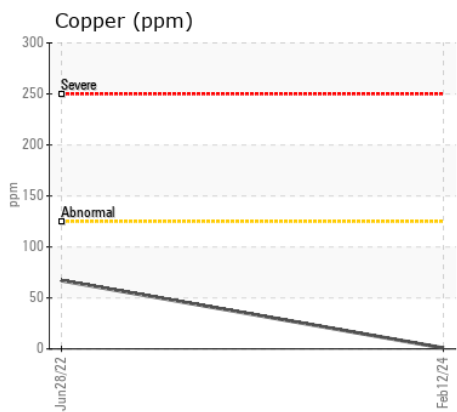
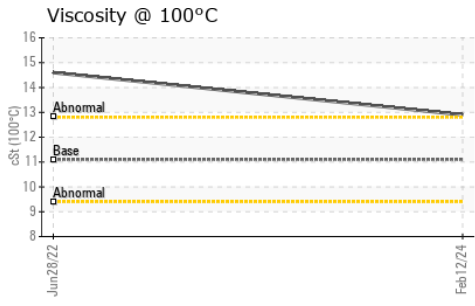
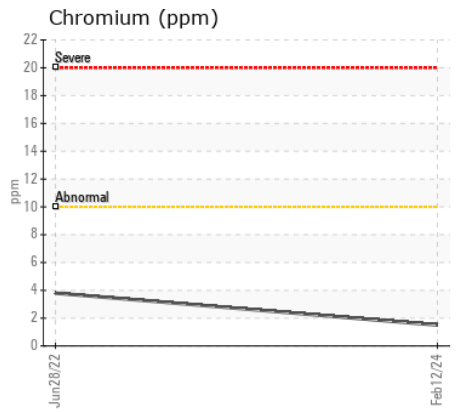
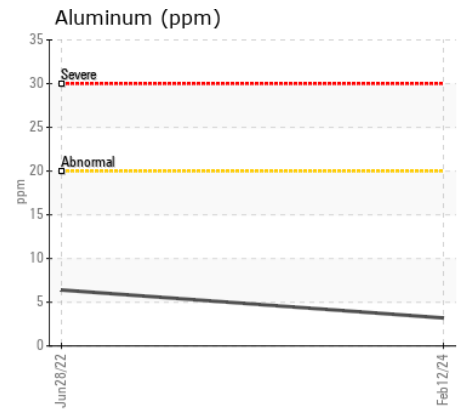
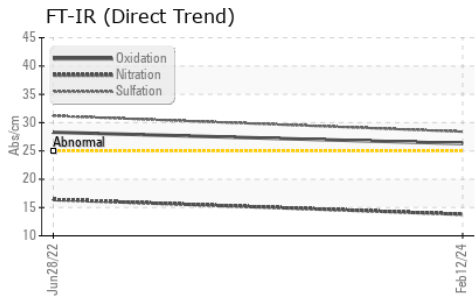
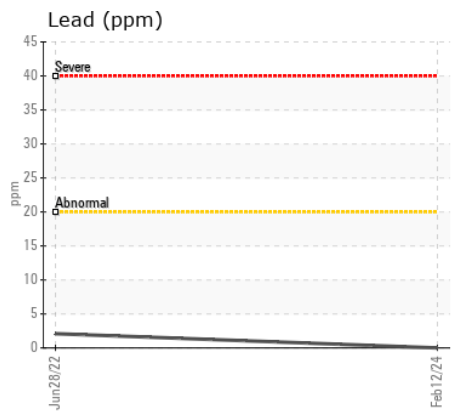
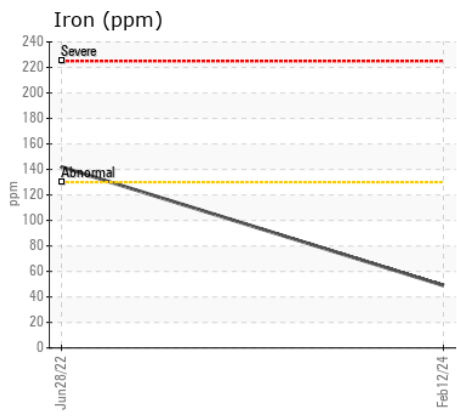
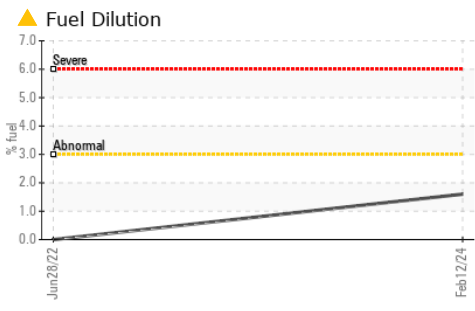
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185(m)	>25	4	26	---
Potassium	ppm	ASTM D5185(m)	>20	5	3	---
Fuel	%	ASTM D7593*	>3.0	▲ 1.6	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>6	1.4	1.8	---
Nitration	Abs/cm	ASTM D7624*	>20	13.8	16.4	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	28.4	31.2	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

Viscosity of sample indicates oil is within SAE 40 range, advise investigate. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		2	7	---
Boron	ppm	ASTM D5185(m)		42	8	---
Barium	ppm	ASTM D5185(m)		0	9	---
Molybdenum	ppm	ASTM D5185(m)		9	58	---
Manganese	ppm	ASTM D5185(m)		<1	10	---
Magnesium	ppm	ASTM D5185(m)		744	929	---
Calcium	ppm	ASTM D5185(m)		1367	1128	---
Phosphorus	ppm	ASTM D5185(m)	1260	690	895	---
Zinc	ppm	ASTM D5185(m)	1400	795	1135	---
Sulfur	ppm	ASTM D5185(m)		2401	2082	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	26.3	28.3	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.1	12.9	14.6	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0737693 **Received** : 09 Apr 2024
Lab Number : 02627672 **Tested** : 11 Apr 2024
Unique Number : 5760804 **Diagnosed** : 11 Apr 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: FUELDILUTION, PercentFuel)

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