



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
R298
Component
Diesel Engine
Fluid
CHEVRON DELO 400 SAE 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0737700	WC0737820	---
Sample Date		Client Info		09 Jan 2024	13 Sep 2023	---
Machine Age	kms	Client Info		45045	40864	---
Oil Age	kms	Client Info		5000	40864	---
Filter Age	kms	Client Info		5000	40864	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	---	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>130	68	150	---
Chromium	ppm	ASTM D5185(m)	>10	3	4	---
Nickel	ppm	ASTM D5185(m)	>4	<1	1	---
Titanium	ppm	ASTM D5185(m)	>2	0	0	---
Silver	ppm	ASTM D5185(m)	>2	0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	9	16	---
Lead	ppm	ASTM D5185(m)	>20	<1	<1	---
Copper	ppm	ASTM D5185(m)	>125	2	6	---
Tin	ppm	ASTM D5185(m)	>4	0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

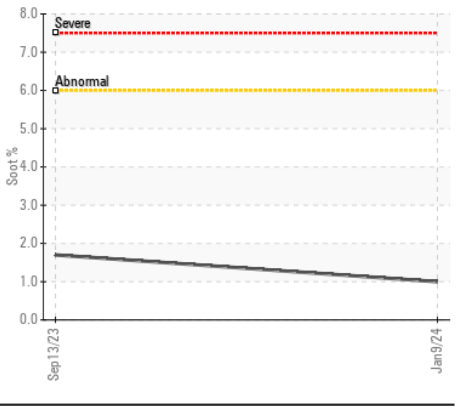
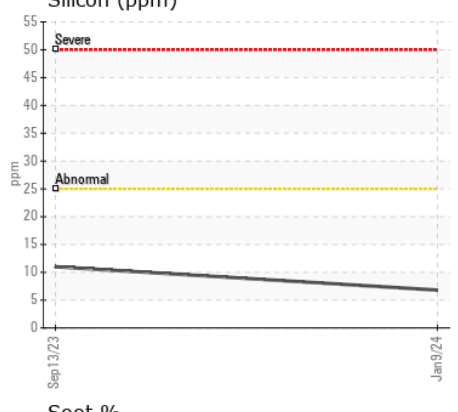
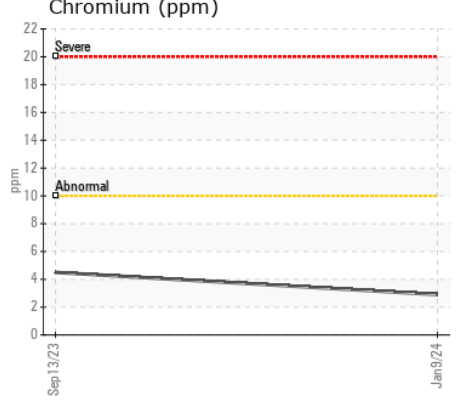
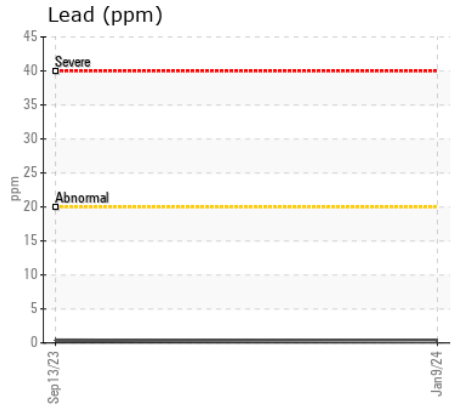
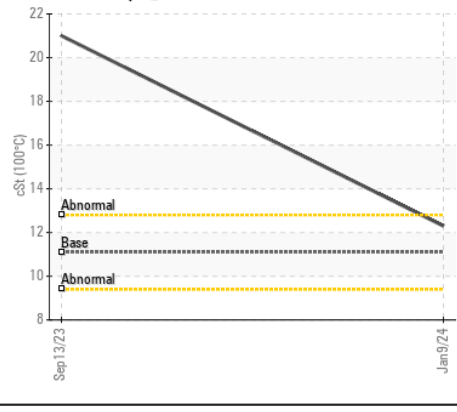
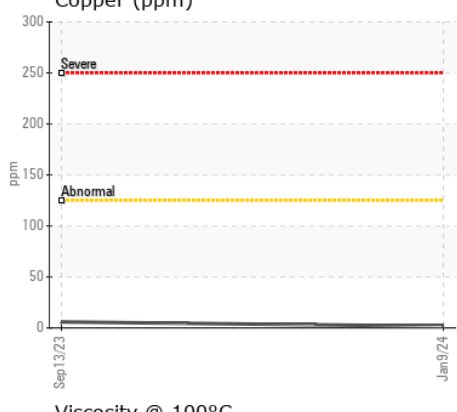
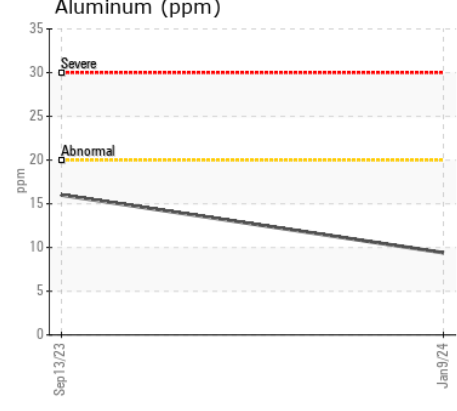
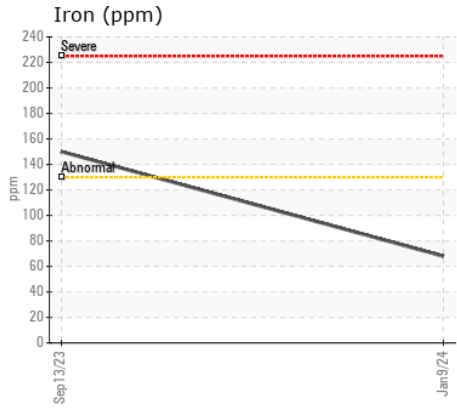
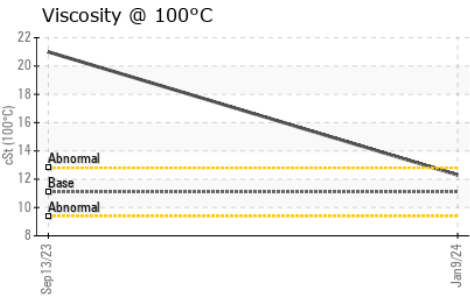
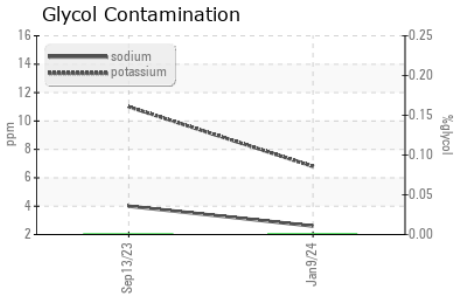
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	7	11	---
Potassium	ppm	ASTM D5185(m)	>20	7	11	---
Fuel		WC Method	>3.0	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol	%	ASTM D7922*		0.0	0.0	---
Soot %	%	ASTM D7844*	>6	1	1.7	---
Nitration	Abs/cm	ASTM D7624*	>20	12.5	▲ 25.4	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.9	▲ 45.4	---
Emulsified Water	scalar	Visual*	>0.2	NEG	▲ .2%	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		3	4	---
Boron	ppm	ASTM D5185(m)		48	23	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		11	▲ 94	---
Manganese	ppm	ASTM D5185(m)		<1	1	---
Magnesium	ppm	ASTM D5185(m)		658	▲ 83	---
Calcium	ppm	ASTM D5185(m)		1394	▲ 2219	---
Phosphorus	ppm	ASTM D5185(m)	1260	710	983	---
Zinc	ppm	ASTM D5185(m)	1400	787	1208	---
Sulfur	ppm	ASTM D5185(m)		2578	2866	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	22.2	■ 53.7	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.1	12.3	▲ 21.0	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0737700 **Received** : 22 Feb 2024
Lab Number : 02617349 **Tested** : 22 Feb 2024
Unique Number : 5734459 **Diagnosed** : 22 Feb 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: Glycol)

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.