



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Machine Id
R298
 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		WC0737820	---	---
Sample Date		Client Info		13 Sep 2023	---	---
Machine Age	kms	Client Info		40864	---	---
Oil Age	kms	Client Info		40864	---	---
Filter Age	kms	Client Info		40864	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				MARGINAL	---	---

WEAR

Metal levels are typical for a new component breaking in.

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

CONTAMINATION

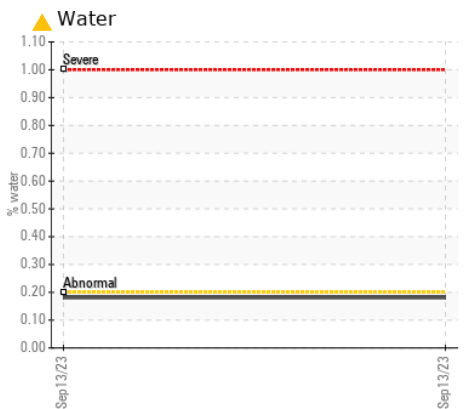
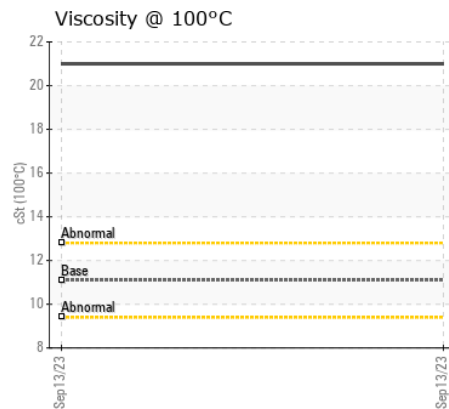
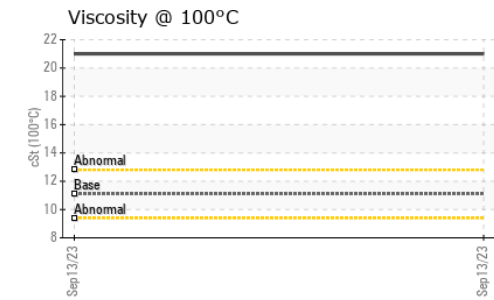
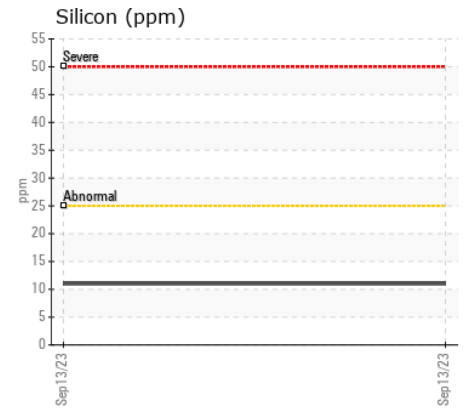
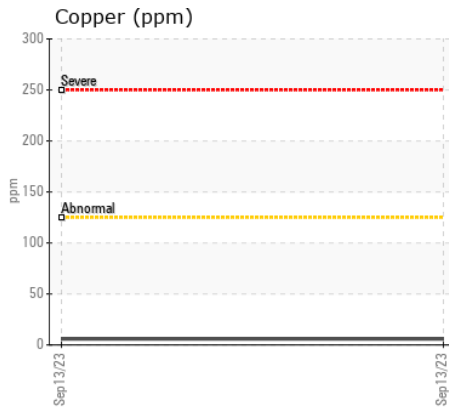
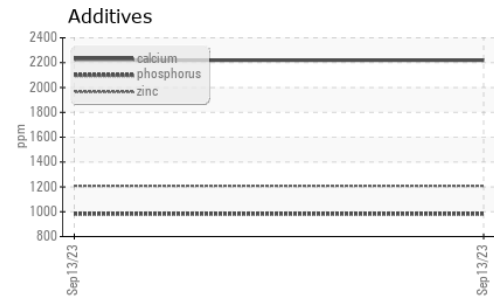
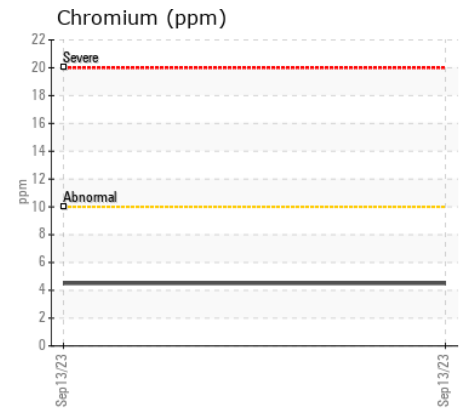
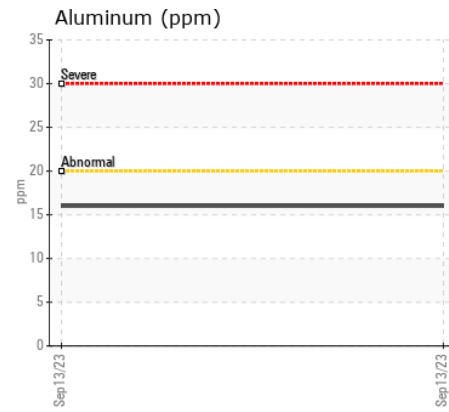
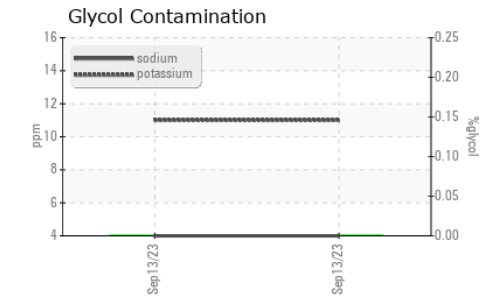
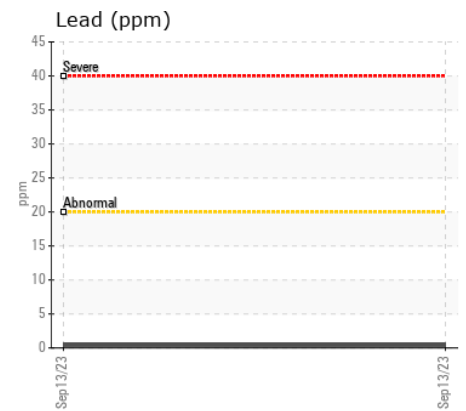
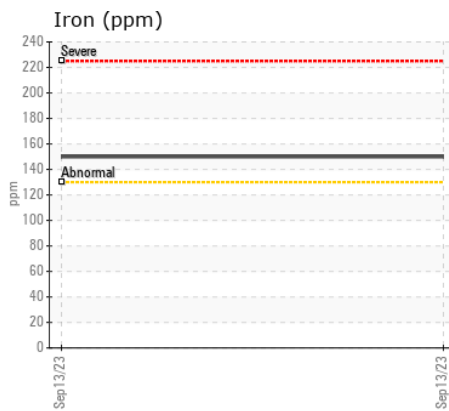
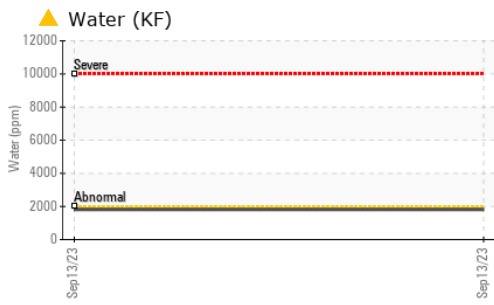
There is a trace of moisture present in the oil. Test for glycol is negative.

Silicon	ppm	ASTM D5185(m)	>25	11	---	---
Potassium	ppm	ASTM D5185(m)	>20	11	---	---
Fuel		WC Method	>3.0	<1.0	---	---
Water	%	ASTM D6304*	>0.2	▲ 0.181	---	---
ppm Water	ppm	ASTM D6304*	>2000	▲ 1816	---	---
Glycol	%	ASTM D7922*		0.0	---	---
Soot %	%	ASTM D7844*	>6	1.7	---	---
Nitration	Abs/cm	ASTM D7624*	>20	25.4	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	45.4	---	---
Emulsified Water	scalar	Visual*	>0.2	▲ .2%	---	---

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)		4	---	---
Boron	ppm	ASTM D5185(m)		23	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		94	---	---
Manganese	ppm	ASTM D5185(m)		1	---	---
Magnesium	ppm	ASTM D5185(m)		83	---	---
Calcium	ppm	ASTM D5185(m)		2219	---	---
Phosphorus	ppm	ASTM D5185(m)	1260	983	---	---
Zinc	ppm	ASTM D5185(m)	1400	1208	---	---
Sulfur	ppm	ASTM D5185(m)		2866	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	53.7	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.1	21.0	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0737820 **Received** : 22 Feb 2024
Lab Number : 02617343 **Tested** : 23 Feb 2024
Unique Number : 5734453 **Diagnosed** : 23 Feb 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: Glycol, KF)

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.