



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
ACELA TECUMSEH SUPPORT #2
 Component
Diesel Engine
 Fluid
CHEVRON DELO 400 LE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0895863	WC0766739	---
Sample Date		Client Info		06 Feb 2024	08 Mar 2023	---
Machine Age	mls	Client Info		15890	15669	---
Oil Age	mls	Client Info		221	500	---
Filter Age	mls	Client Info		221	500	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>100	4	9	---
Chromium	ppm	ASTM D5185(m)	>20	0	<1	---
Nickel	ppm	ASTM D5185(m)	>4	<1	0	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	4	3	---
Lead	ppm	ASTM D5185(m)	>40	<1	<1	---
Copper	ppm	ASTM D5185(m)	>330	1	1	---
Tin	ppm	ASTM D5185(m)	>15	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

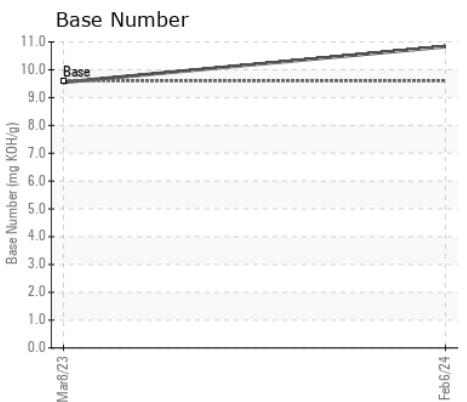
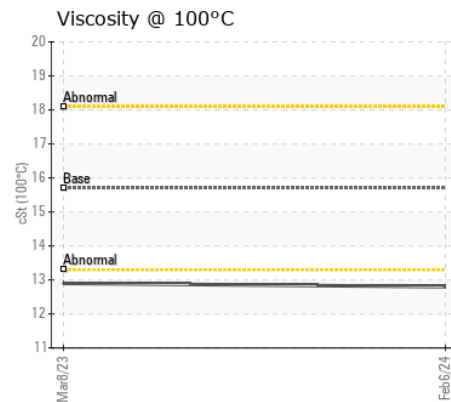
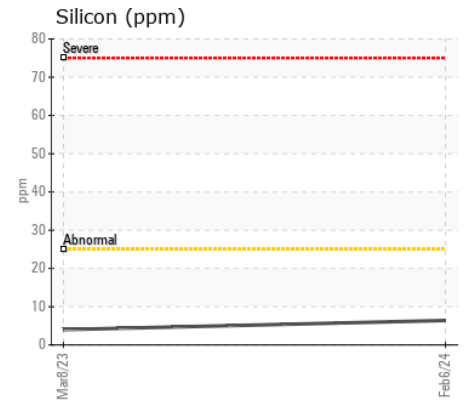
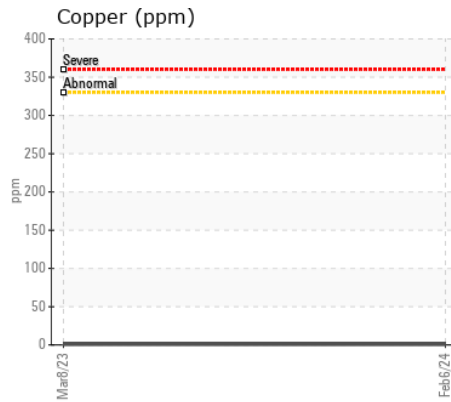
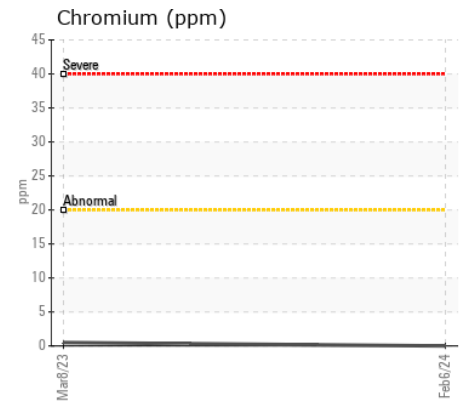
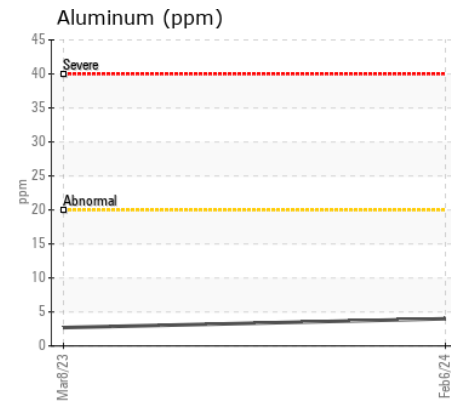
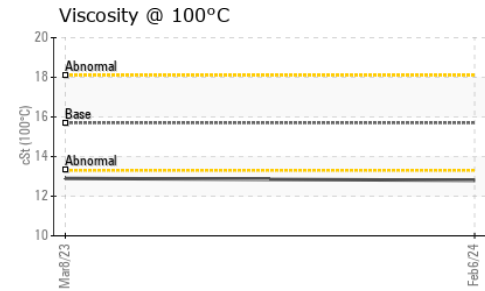
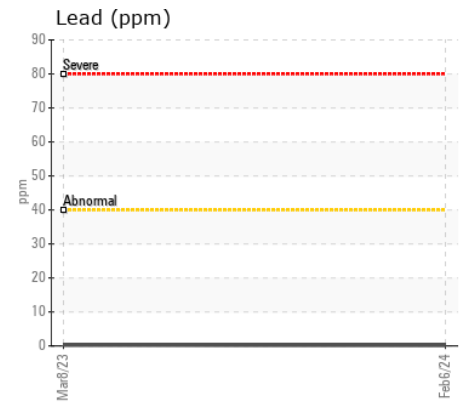
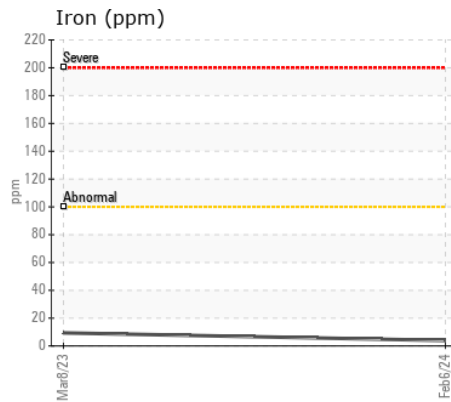
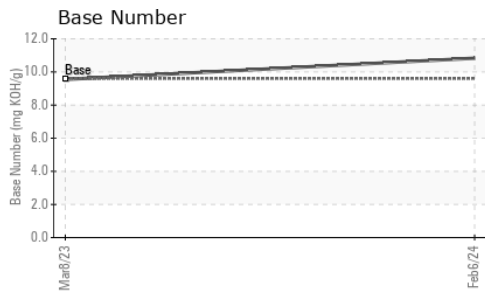
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	6	4	---
Potassium	ppm	ASTM D5185(m)	>20	<1	0	---
Fuel		WC Method	>5	<1.0	1.1	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	4.3	5.2	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.7	20.5	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		2	1	---
Boron	ppm	ASTM D5185(m)		290	8	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		117	56	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)		708	919	---
Calcium	ppm	ASTM D5185(m)		1461	1308	---
Phosphorus	ppm	ASTM D5185(m)	1200	737	1196	---
Zinc	ppm	ASTM D5185(m)	1300	822	1237	---
Sulfur	ppm	ASTM D5185(m)	3200	2309	3092	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.7	13.5	---
Base Number (BN)	mg KOH/g	ASTM D2896*	9.6	10.83	9.55	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.7	12.8	12.9	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0895863 **Received** : 27 Feb 2024
Lab Number : 02618253 **Tested** : 28 Feb 2024
Unique Number : 5735363 **Diagnosed** : 28 Feb 2024 - Wes Davis
Test Package : MOB 2

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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.