



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
2660
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL SAE 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0790836	WC0633134	---
Sample Date		Client Info		12 May 2023	11 Jan 2022	---
Machine Age	hrs	Client Info		757	254	---
Oil Age	hrs	Client Info		503	254	---
Filter Age	hrs	Client Info		503	254	---
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	15	27	---
Chromium	ppm	ASTM D5185(m)	>20	1	2	---
Nickel	ppm	ASTM D5185(m)	>4	0	<1	---
Titanium	ppm	ASTM D5185(m)		77	0	---
Silver	ppm	ASTM D5185(m)	>3	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	3	2	---
Lead	ppm	ASTM D5185(m)	>40	<1	1	---
Copper	ppm	ASTM D5185(m)	>330	3	9	---
Tin	ppm	ASTM D5185(m)	>15	0	<1	---
Vanadium	ppm	ASTM D5185(m)		<1	0	---

CONTAMINATION

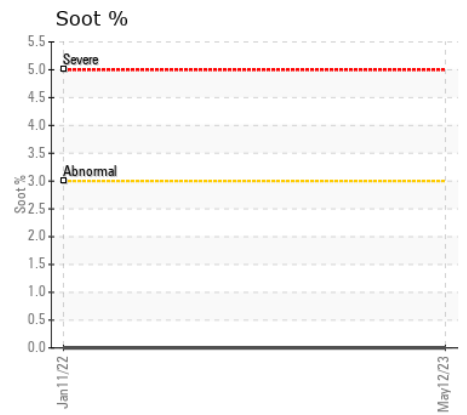
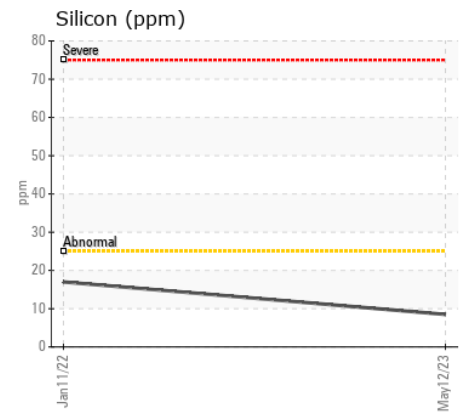
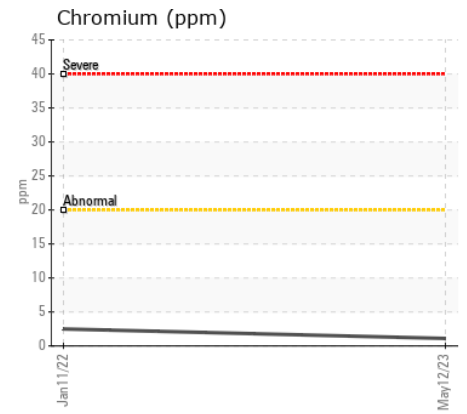
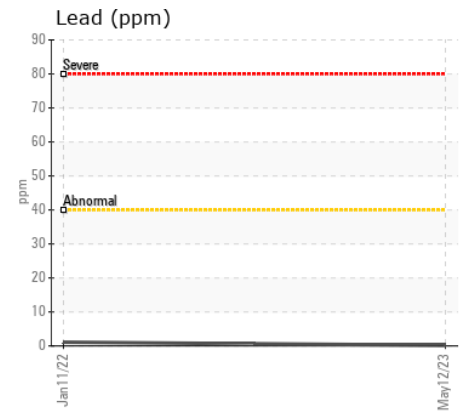
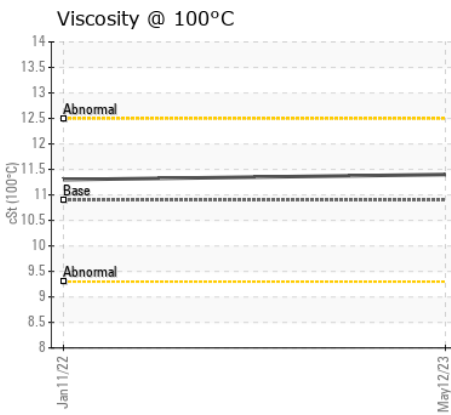
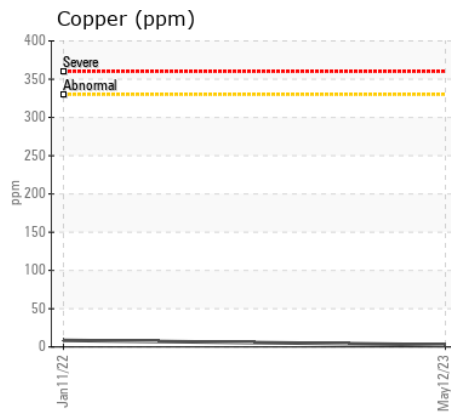
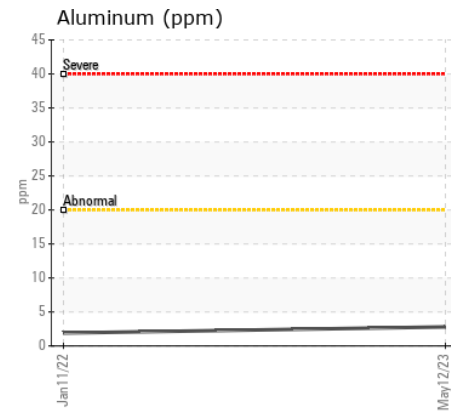
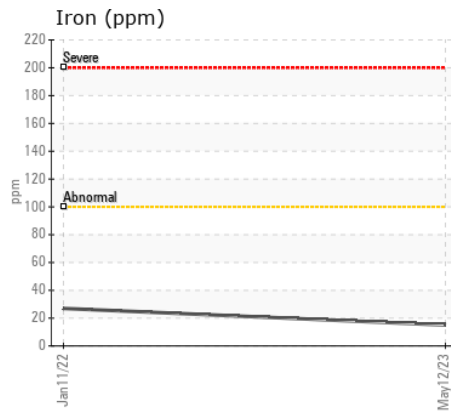
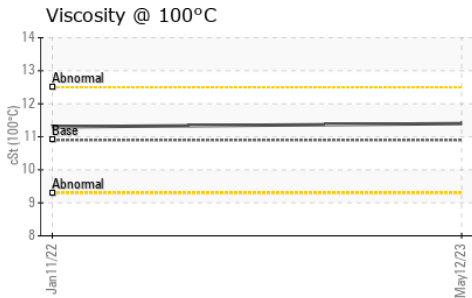
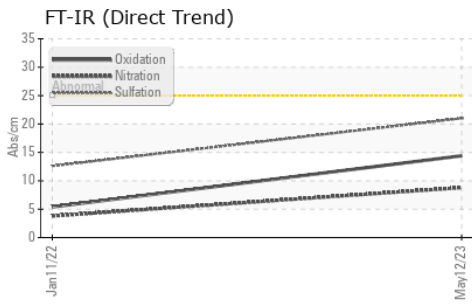
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	8	17	---
Potassium	ppm	ASTM D5185(m)	>20	4	3	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	8.8	3.8	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.0	12.6	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		6	4	---
Boron	ppm	ASTM D5185(m)	250	96	3	---
Barium	ppm	ASTM D5185(m)	10	0	<1	---
Molybdenum	ppm	ASTM D5185(m)	100	5	<1	---
Manganese	ppm	ASTM D5185(m)		1	5	---
Magnesium	ppm	ASTM D5185(m)	450	334	13	---
Calcium	ppm	ASTM D5185(m)	3000	1876	2324	---
Phosphorus	ppm	ASTM D5185(m)	1150	1053	929	---
Zinc	ppm	ASTM D5185(m)	1350	1181	1042	---
Sulfur	ppm	ASTM D5185(m)	4250	3345	3715	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.4	5.4	---
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	11.4	11.3	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0790836 **Received** : 28 Aug 2023
Lab Number : 02578604 **Tested** : 28 Aug 2023
Unique Number : 5631664 **Diagnosed** : 28 Aug 2023 - Wes Davis
Test Package : MOB 1

CAPITAL PAVING
 BOX 815,, 4459 CONCESSION 7
 PUSLINCH, ON
 CA N0B 2J0
 Contact: Don Steenson
 dsteenson@capitalpaving.on.ca
 T: (519)822-4511
 F: (519)822-1454

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.