



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
2
Component
Diesel Engine
Fluid
SHELL ROTELLA T 30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0755682	WC0755812	---
Sample Date		Client Info		14 Feb 2024	02 May 2023	---
Machine Age	hrs	Client Info		6424	413	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Chngd	Not Chngd	---
Filter Changed		Client Info		Not Chngd	Not Chngd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	2	5	---
Chromium	ppm	ASTM D5185(m)	>20	0	0	---
Nickel	ppm	ASTM D5185(m)	>4	0	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	1	<1	---
Lead	ppm	ASTM D5185(m)	>40	<1	2	---
Copper	ppm	ASTM D5185(m)	>330	<1	2	---
Tin	ppm	ASTM D5185(m)	>15	<1	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

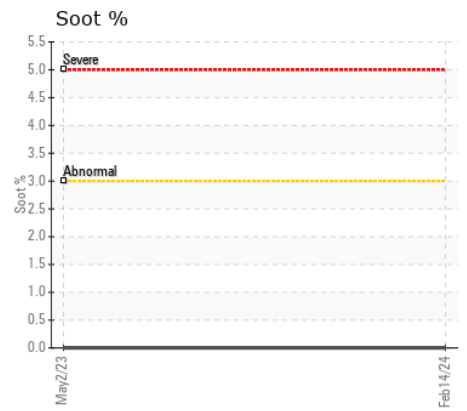
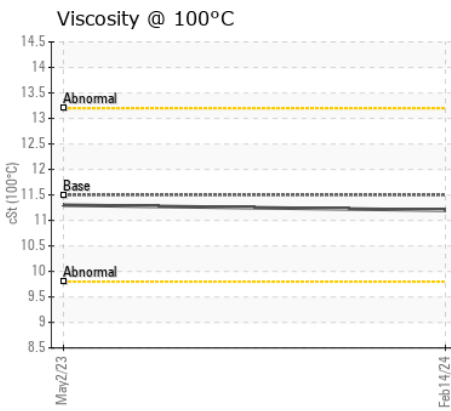
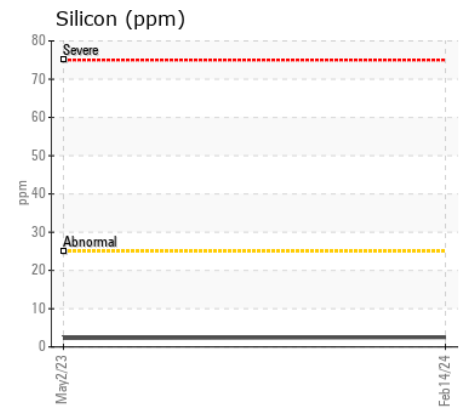
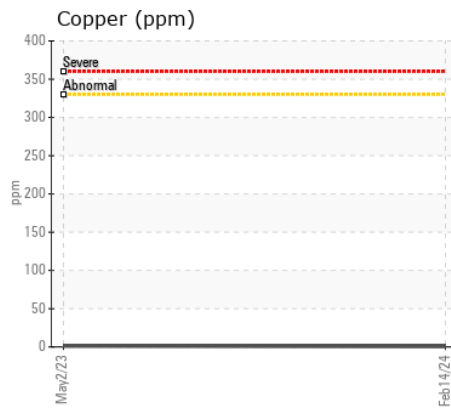
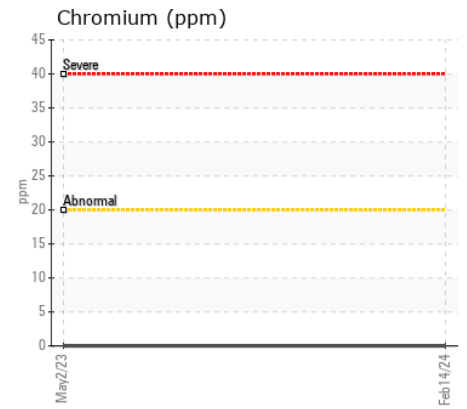
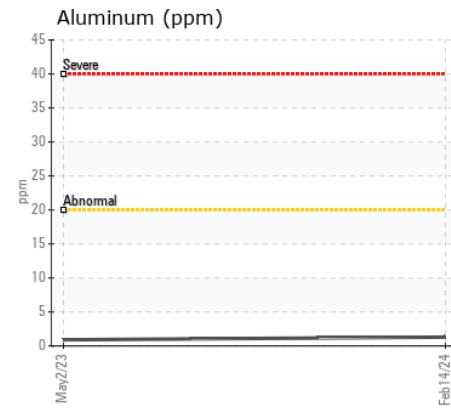
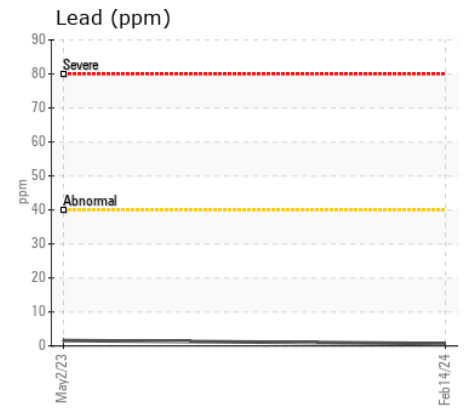
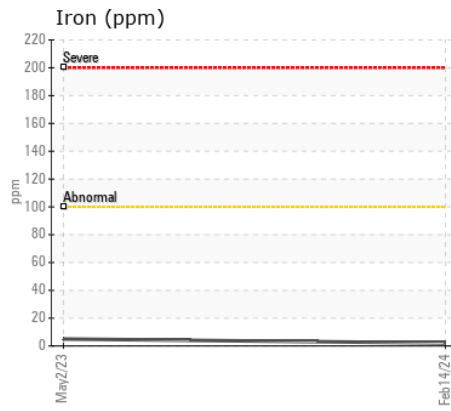
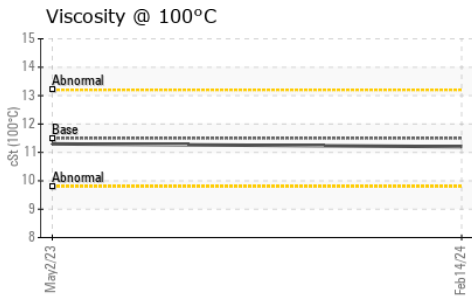
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	2	2	---
Potassium	ppm	ASTM D5185(m)	>20	<1	1	---
Fuel		WC Method	>5	<1.0	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	3.3	3.8	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	13.6	14.6	---
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)		2	3	---
Boron	ppm	ASTM D5185(m)	0	3	13	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)	0	113	87	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)		12	13	---
Calcium	ppm	ASTM D5185(m)	1890	2731	2576	---
Phosphorus	ppm	ASTM D5185(m)	680	1099	1073	---
Zinc	ppm	ASTM D5185(m)	750	1182	1120	---
Sulfur	ppm	ASTM D5185(m)		2940	2802	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	6.8	8.4	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.5	11.2	11.3	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0755682 **Received** : 16 Feb 2024
Lab Number : 02616136 **Tested** : 16 Feb 2024
Unique Number : 5733246 **Diagnosed** : 16 Feb 2024 - Wes Davis
Test Package : MOB 1

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.

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