

Machine Id
266-0801
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 15W40 (--- 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		PC0088657	PC0072636	---
Sample Date		Client Info		05 May 2024	05 Apr 2023	---
Machine Age	hrs	Client Info		2880	7254	---
Oil Age	hrs	Client Info		250	25	---
Filter Age	hrs	Client Info		250	25	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	31	3	---
Chromium	ppm	ASTM D5185(m)	>20	<1	0	---
Nickel	ppm	ASTM D5185(m)	>4	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	1	2	---
Lead	ppm	ASTM D5185(m)	>40	2	0	---
Copper	ppm	ASTM D5185(m)	>330	4	1	---
Tin	ppm	ASTM D5185(m)	>15	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

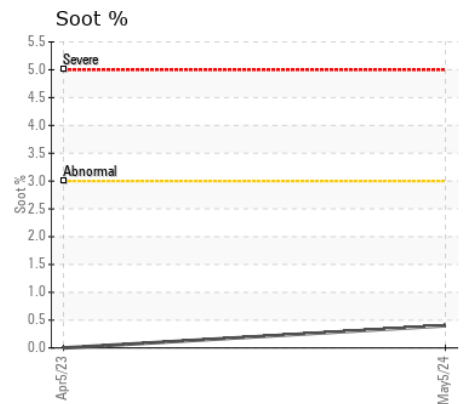
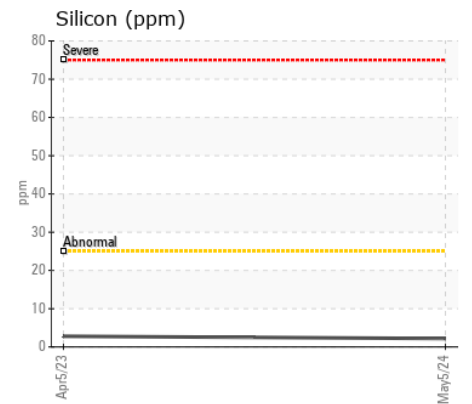
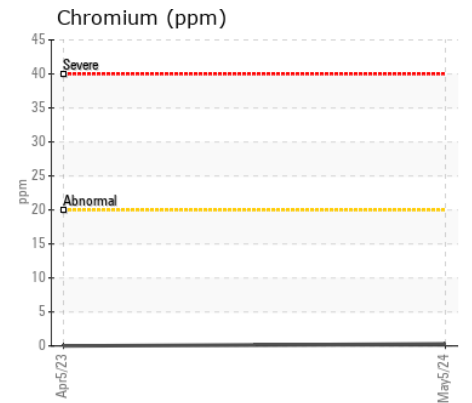
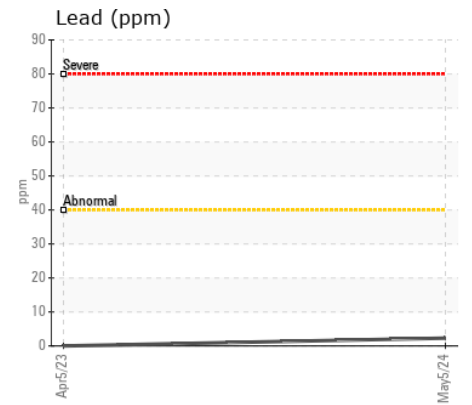
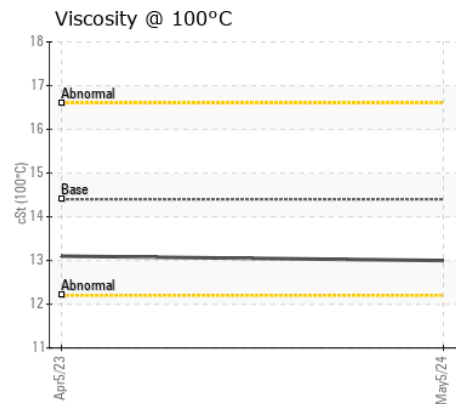
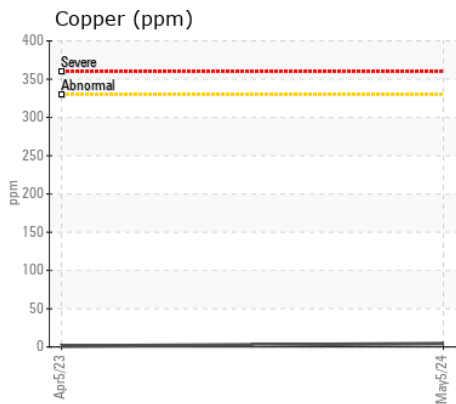
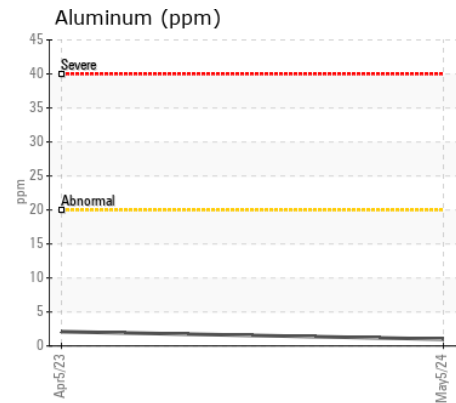
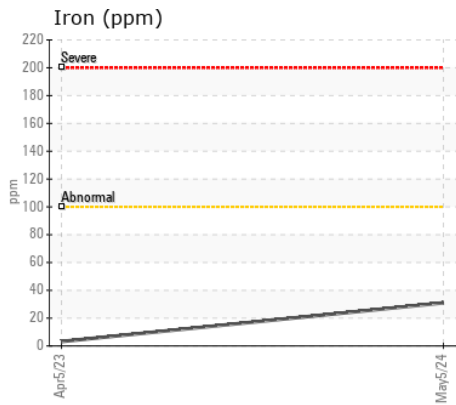
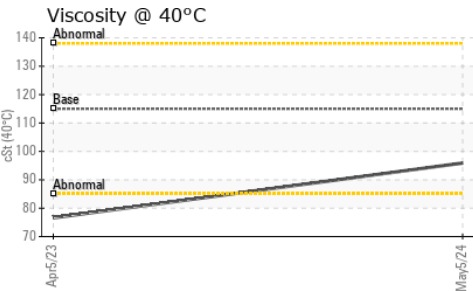
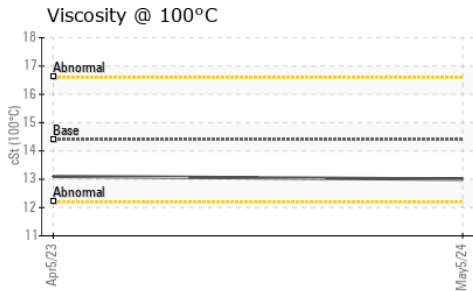
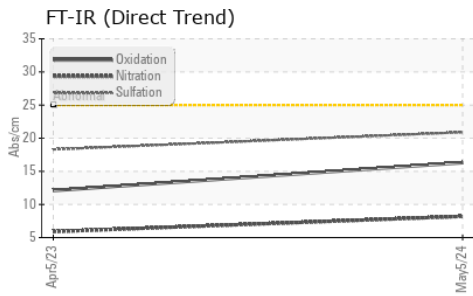
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	2	3	---
Potassium	ppm	ASTM D5185(m)	>20	0	0	---
Fuel		WC Method	>5	<1.0	0.8	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0.4	0	---
Nitration	Abs/cm	ASTM D7624*	>20	8.2	5.9	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.9	18.3	---
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)	>158	2	2	---
Boron	ppm	ASTM D5185(m)	250	2	6	---
Barium	ppm	ASTM D5185(m)	10	0	0	---
Molybdenum	ppm	ASTM D5185(m)	100	64	2	---
Manganese	ppm	ASTM D5185(m)		<1	0	---
Magnesium	ppm	ASTM D5185(m)	450	1035	30	---
Calcium	ppm	ASTM D5185(m)	3000	1223	2335	---
Phosphorus	ppm	ASTM D5185(m)	1150	1068	1062	---
Zinc	ppm	ASTM D5185(m)	1350	1269	1109	---
Sulfur	ppm	ASTM D5185(m)	4250	2667	3392	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.3	12.1	---
Visc @ 40°C	cSt	ASTM D7279(m)	115	95.9	76.6	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	13.0	13.1	---
Viscosity Index (VI)	Scale	ASTM D2270*	126	133	173	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088657 **Received** : 15 May 2024
Lab Number : 02635594 **Tested** : 15 May 2024
Unique Number : 5776747 **Diagnosed** : 15 May 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KV40, VI)

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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