



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
15-19
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 15W40. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0074283	---	---
Sample Date		Client Info		09 Apr 2024	---	---
Machine Age	hrs	Client Info		2748	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	69	---	---
Chromium	ppm	ASTM D5185(m)	>6	3	---	---
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)	>30	26	---	---
Lead	ppm	ASTM D5185(m)	>10	5	---	---
Copper	ppm	ASTM D5185(m)	>150	4	---	---
Tin	ppm	ASTM D5185(m)	>4	1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

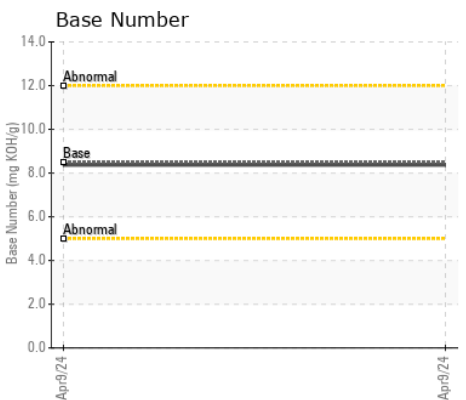
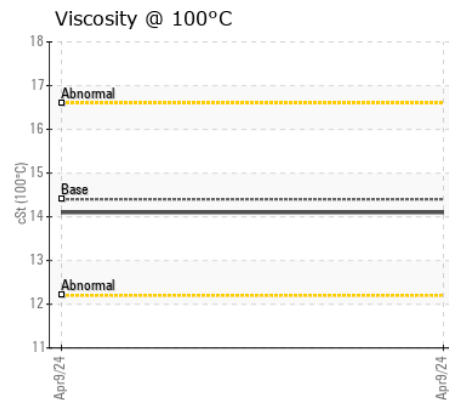
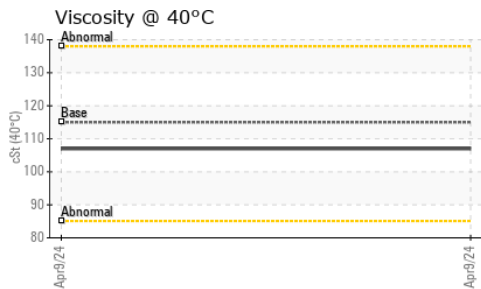
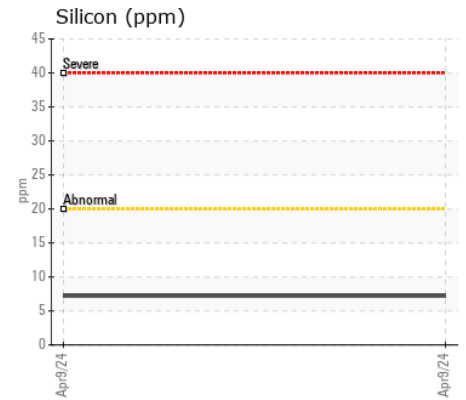
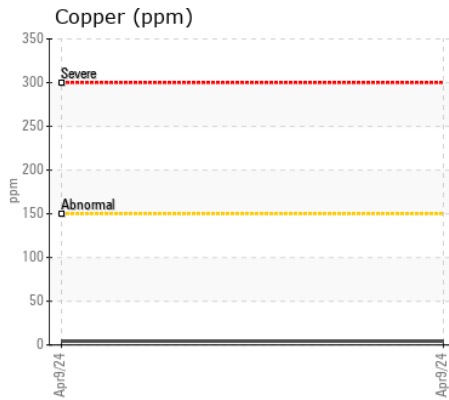
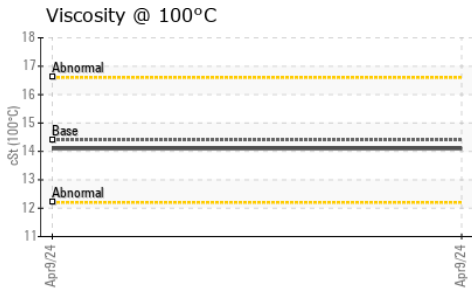
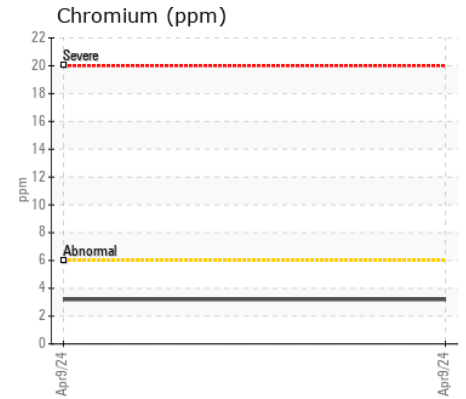
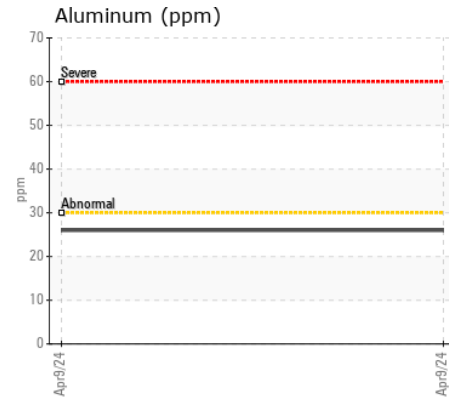
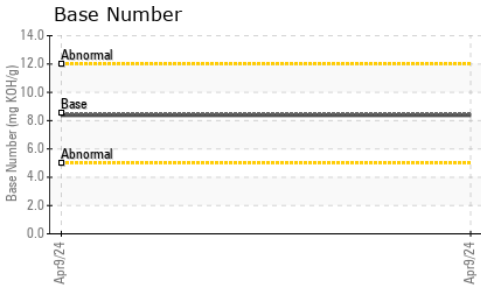
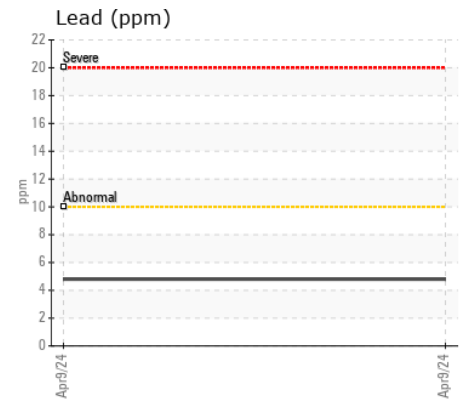
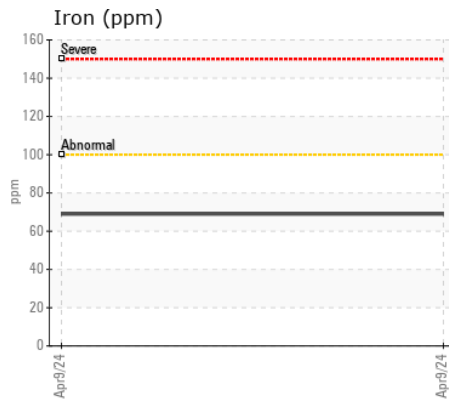
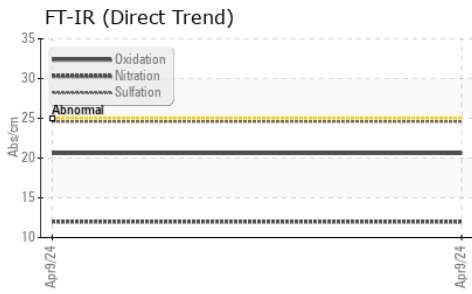
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	7	---	---
Potassium	ppm	ASTM D5185(m)	>20	6	---	---
Fuel		WC Method	>5	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	0.6	---	---
Nitration	Abs/cm	ASTM D7624*	>20	12.0	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	24.6	---	---
Emulsified Water	scalar	Visual*	>0.2	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)	>158	3	---	---
Boron	ppm	ASTM D5185(m)	250	16	---	---
Barium	ppm	ASTM D5185(m)	10	0	---	---
Molybdenum	ppm	ASTM D5185(m)	100	50	---	---
Manganese	ppm	ASTM D5185(m)		<1	---	---
Magnesium	ppm	ASTM D5185(m)	450	776	---	---
Calcium	ppm	ASTM D5185(m)	3000	1517	---	---
Phosphorus	ppm	ASTM D5185(m)	1150	1059	---	---
Zinc	ppm	ASTM D5185(m)	1350	1268	---	---
Sulfur	ppm	ASTM D5185(m)	4250	2471	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	20.6	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	8.37	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	115	107	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	14.1	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	126	133	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0074283 **Received** : 27 May 2024
Lab Number : **02637605** **Tested** : 28 May 2024
Unique Number : 5786767 **Diagnosed** : 28 May 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: KV40, VI)

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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.