



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
4175 4TH AVE UNIT 1
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL SAE 15W40 (22 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0910610	WC0606415	---
Sample Date		Client Info		18 Mar 2024	30 Nov 2021	---
Machine Age	hrs	Client Info		0	379	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>51	2	2	---
Chromium	ppm	ASTM D5185(m)	>11	0	0	---
Nickel	ppm	ASTM D5185(m)	>5	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>31	<1	<1	---
Lead	ppm	ASTM D5185(m)	>26	0	0	---
Copper	ppm	ASTM D5185(m)	>26	<1	<1	---
Tin	ppm	ASTM D5185(m)	>4	0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

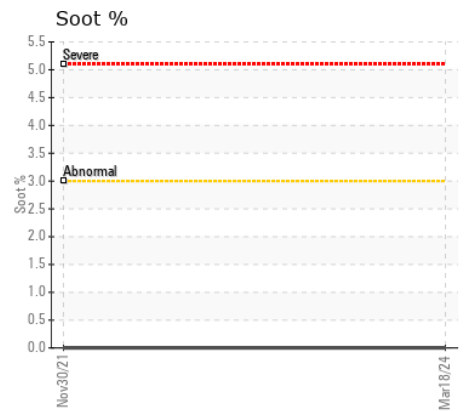
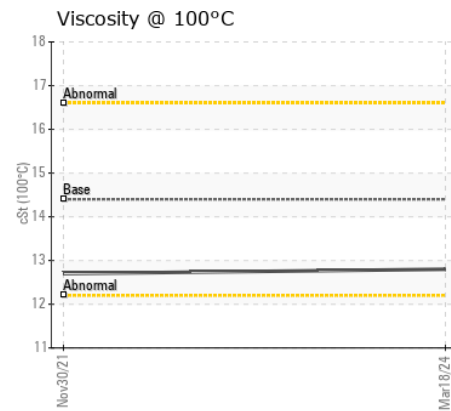
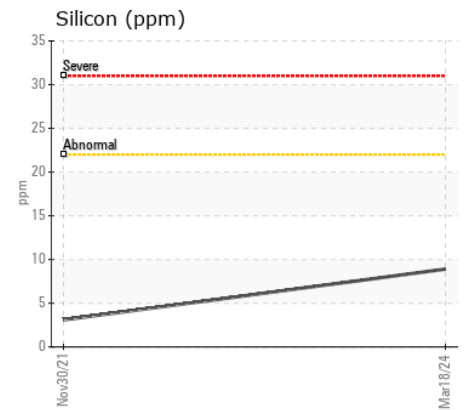
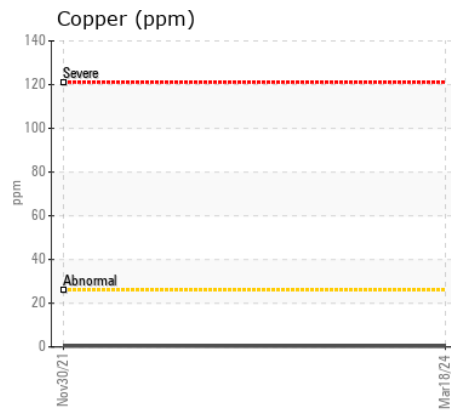
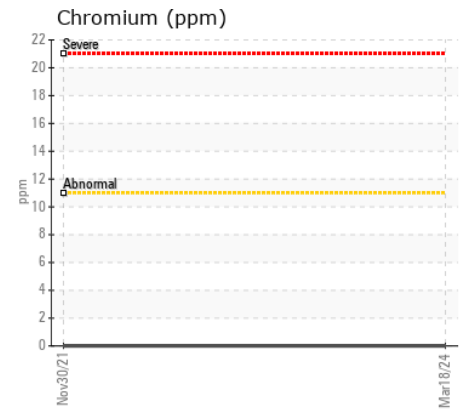
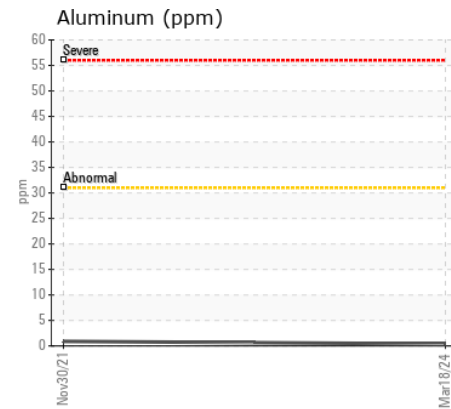
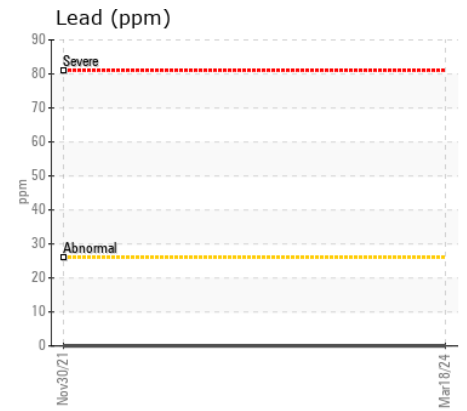
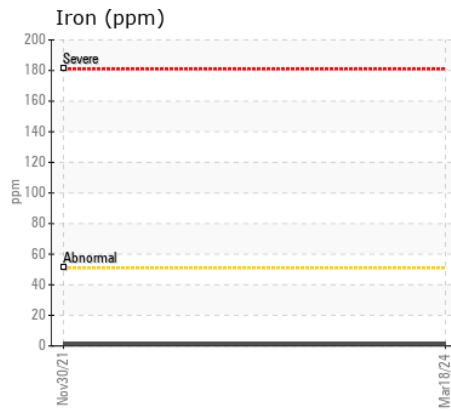
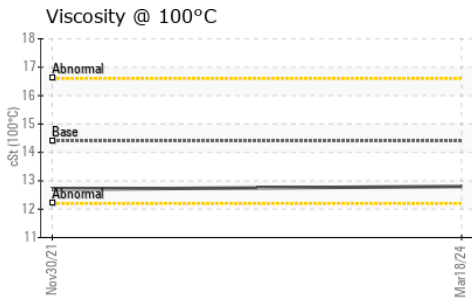
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>22	9	3	---
Potassium	ppm	ASTM D5185(m)	>20	0	<1	---
Fuel		WC Method	>2.1	<1.0	<1.0	---
Water		WC Method	>0.21	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	4.8	4.9	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.3	19.7	---
Emulsified Water	scalar	Visual*	>0.21	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>158	1	1	---
Boron	ppm	ASTM D5185(m)	250	1	6	---
Barium	ppm	ASTM D5185(m)	10	0	0	---
Molybdenum	ppm	ASTM D5185(m)	100	55	59	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)	450	919	1008	---
Calcium	ppm	ASTM D5185(m)	3000	1060	1015	---
Phosphorus	ppm	ASTM D5185(m)	1150	981	1085	---
Zinc	ppm	ASTM D5185(m)	1350	1125	1210	---
Sulfur	ppm	ASTM D5185(m)	4250	2700	2832	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.4	14.0	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	12.8	12.7	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0910610
Lab Number : 02625624
Unique Number : 5750743
Test Package : MOB 1

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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.