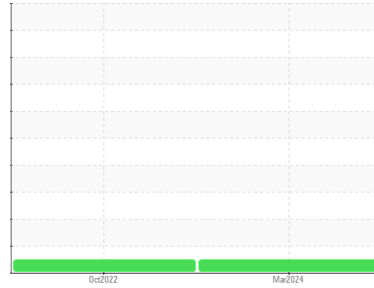




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area

[7503]

Machine Id

9726

Component

Diesel Engine

Fluid

DISEL ENGINE OIL SAE 10W30 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0853459	WC0737726	---
Sample Date	Client Info			08 Mar 2024	06 Oct 2022	---
Machine Age	kms	Client Info		351292	104678	---
Oil Age	kms	Client Info		0	0	---
Oil Changed	Client Info			Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	NEG	NEG	---
Glycol	WC Method			NEG	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	17	42	---
Chromium	ppm	ASTM D5185(m)	>20	<1	3	---
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	2	22	---
Lead	ppm	ASTM D5185(m)	>40	0	6	---
Copper	ppm	ASTM D5185(m)	>330	4	93	---
Tin	ppm	ASTM D5185(m)	>15	0	<1	---
Antimony	ppm	ASTM D5185(m)		0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

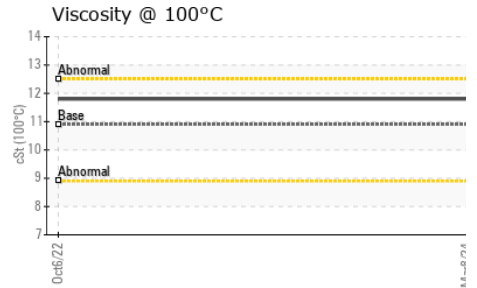
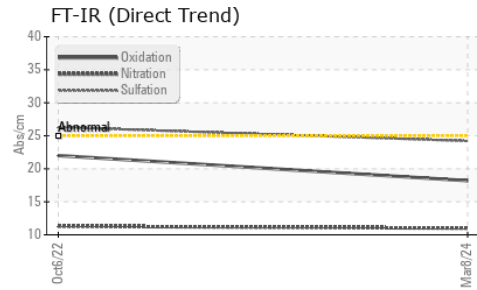
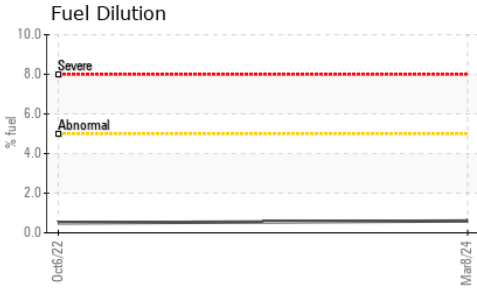
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	22	17	---
Barium	ppm	ASTM D5185(m)	10	0	0	---
Molybdenum	ppm	ASTM D5185(m)	100	2	64	---
Manganese	ppm	ASTM D5185(m)		<1	2	---
Magnesium	ppm	ASTM D5185(m)	450	756	407	---
Calcium	ppm	ASTM D5185(m)	3000	1351	1965	---
Phosphorus	ppm	ASTM D5185(m)	1150	689	1061	---
Zinc	ppm	ASTM D5185(m)	1350	777	1230	---
Sulfur	ppm	ASTM D5185(m)	4250	2485	2391	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	8	10	---
Sodium	ppm	ASTM D5185(m)		3	4	---
Potassium	ppm	ASTM D5185(m)	>20	4	69	---
Fuel	%	ASTM D7593*	>5	0.6	0.5	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	1	1.1	---
Nitration	Abs/cm	ASTM D7624*	>20	11.0	11.3	---
Sulfation	Abs./1mm	ASTM D7415*	>30	24.2	26.3	---



OIL ANALYSIS REPORT



FLUID DEGRADATION

method	limit/base	current	history1	history2	
Abs./1mm	ASTM D7414*	>25	18.2	22.0	---

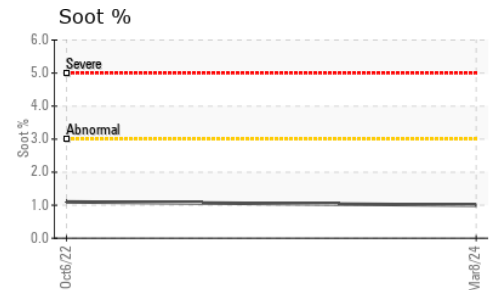
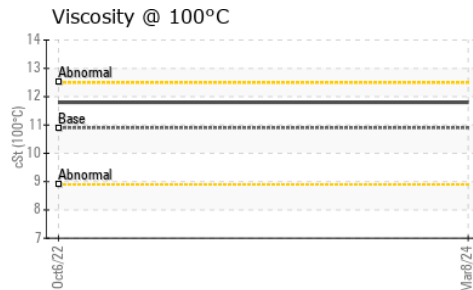
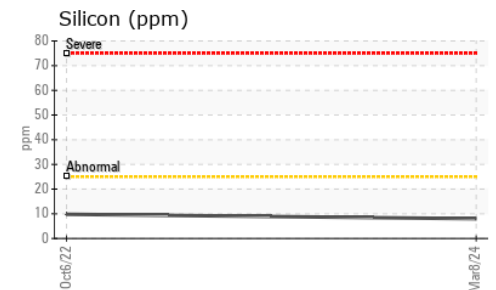
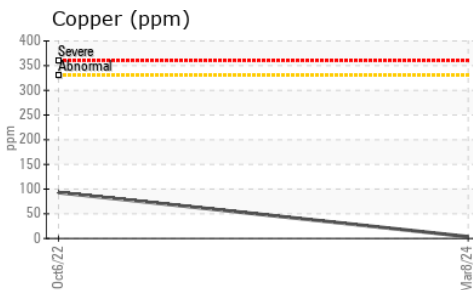
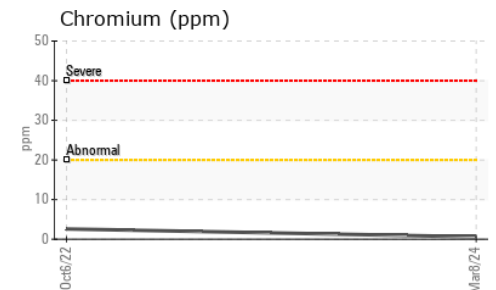
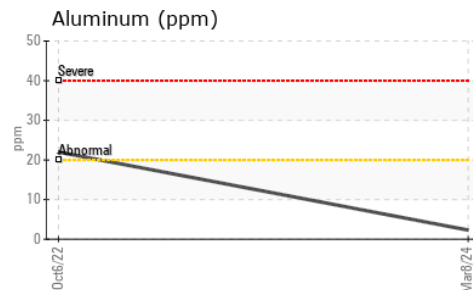
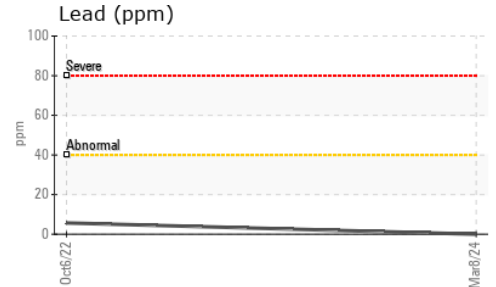
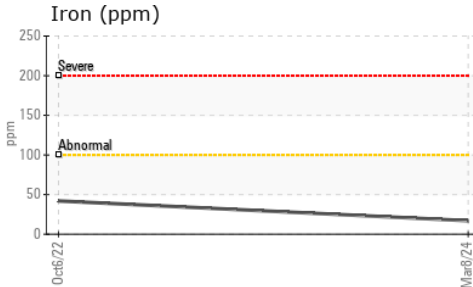
VISUAL

method	limit/base	current	history1	history2	
scalar	Visual*	>0.2	NEG	NEG	---
scalar	Visual*	NEG	NEG	---	

FLUID PROPERTIES

method	limit/base	current	history1	history2
cSt	ASTM D7279(m)	10.9	11.8	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0853459 **Received** : 17 Apr 2024
Lab Number : 02629430 **Tested** : 18 Apr 2024
Unique Number : 5762562 **Diagnosed** : 18 Apr 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

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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