



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
CFR# 72335 [202157]
 Machine Id
202DA
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)



DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor.

Wear
 Metal levels are typical for a new component breaking in.

Contamination
 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		WC0848505	---	---
Sample Date	Client Info		18 Mar 2024	---	---
Machine Age	hrs	Client Info	201	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	---	---
Water	WC Method	>0.2	NEG	---	---
Glycol	WC Method		NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >101	36	---	---
Chromium	ppm	ASTM D5185(m) >16	2	---	---
Nickel	ppm	ASTM D5185(m) >6	<1	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m) >3	<1	---	---
Aluminum	ppm	ASTM D5185(m) >21	4	---	---
Lead	ppm	ASTM D5185(m) >41	3	---	---
Copper	ppm	ASTM D5185(m) >21	26	---	---
Tin	ppm	ASTM D5185(m) >13	3	---	---
Antimony	ppm	ASTM D5185(m)	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	2	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 250	16	---	---
Barium	ppm	ASTM D5185(m) 10	0	---	---
Molybdenum	ppm	ASTM D5185(m) 100	56	---	---
Manganese	ppm	ASTM D5185(m)	0	---	---
Magnesium	ppm	ASTM D5185(m) 450	785	---	---
Calcium	ppm	ASTM D5185(m) 3000	1473	---	---
Phosphorus	ppm	ASTM D5185(m) 1150	1013	---	---
Zinc	ppm	ASTM D5185(m) 1350	1247	---	---
Sulfur	ppm	ASTM D5185(m) 4250	2691	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

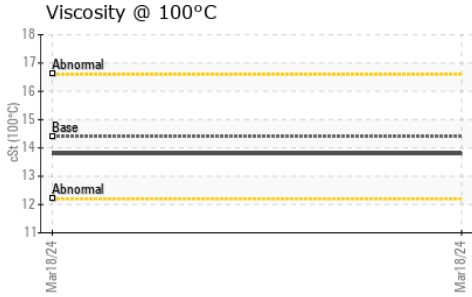
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >16	8	---	---
Sodium	ppm	ASTM D5185(m) >158	16	---	---
Potassium	ppm	ASTM D5185(m) >20	5	---	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	0.7	---	---
Nitration	Abs/cm	ASTM D7624* >20	8.0	---	---
Sulfation	Abs./1mm	ASTM D7415* >30	21.0	---	---



OIL ANALYSIS REPORT



FLUID DEGRADATION		method	limit/base	current	history1	history2
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Oxidation	Abs./1mm	ASTM D7414*	>25	15.4	---	---
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VISUAL		method	limit/base	current	history1	history2
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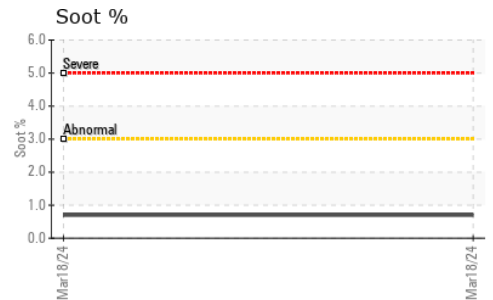
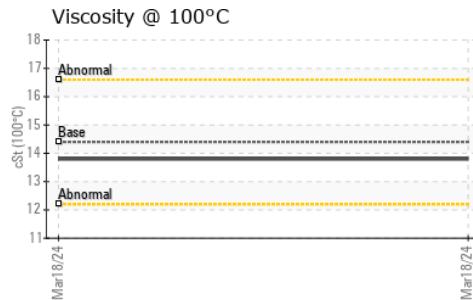
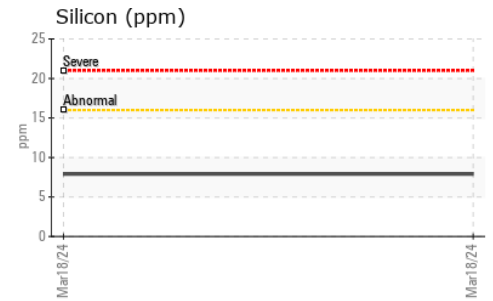
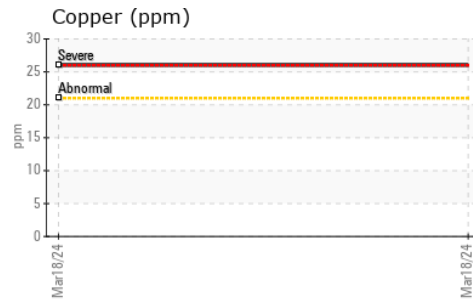
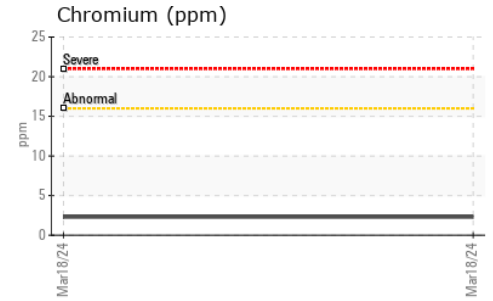
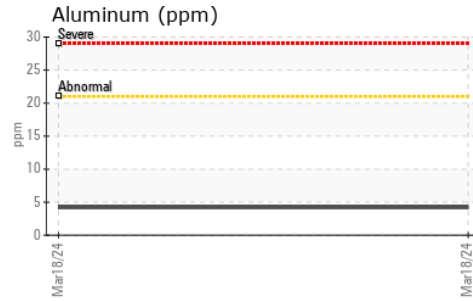
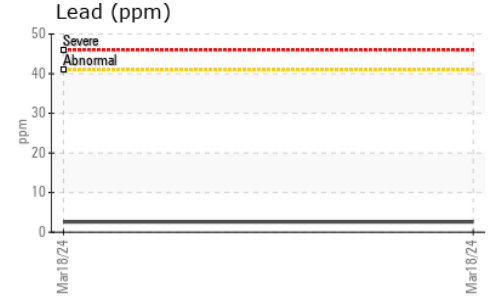
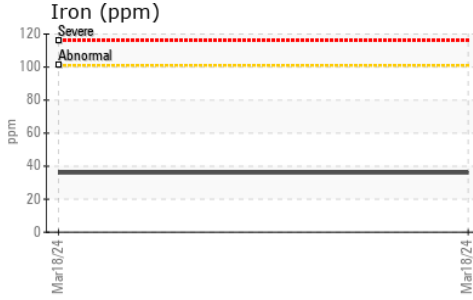
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
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Free Water	scalar	Visual*		NEG	---	---
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FLUID PROPERTIES		method	limit/base	current	history1	history2
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Visc @ 100°C	cSt	ASTM D7279(m)	14.4	13.8	---	---
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GRAPHS						
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Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0848505 **Received** : 22 Mar 2024
Lab Number : **02623884** **Tested** : 22 Mar 2024
Unique Number : 5749003 **Diagnosed** : 22 Mar 2024 - Kevin Marson
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.