



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
370410/5735

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		WC0890758	---	---
Sample Date	Client Info		15 Mar 2024	---	---
Machine Age	hrs	Client Info	526	---	---
Oil Age	hrs	Client Info	50	---	---
Oil Changed	Client Info		Changed	---	---
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) >100	7	---	---
Chromium	ppm	ASTM D5185(m) >20	<1	---	---
Nickel	ppm	ASTM D5185(m) >4	<1	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m) >3	<1	---	---
Aluminum	ppm	ASTM D5185(m) >20	10	---	---
Lead	ppm	ASTM D5185(m) >40	<1	---	---
Copper	ppm	ASTM D5185(m) >330	4	---	---
Tin	ppm	ASTM D5185(m) >15	<1	---	---
Antimony	ppm	ASTM D5185(m)	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 250	164	---	---
Barium	ppm	ASTM D5185(m) 10	2	---	---
Molybdenum	ppm	ASTM D5185(m) 100	9	---	---
Manganese	ppm	ASTM D5185(m)	0	---	---
Magnesium	ppm	ASTM D5185(m) 450	142	---	---
Calcium	ppm	ASTM D5185(m) 3000	2141	---	---
Phosphorus	ppm	ASTM D5185(m) 1150	977	---	---
Zinc	ppm	ASTM D5185(m) 1350	1111	---	---
Sulfur	ppm	ASTM D5185(m) 4250	3129	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

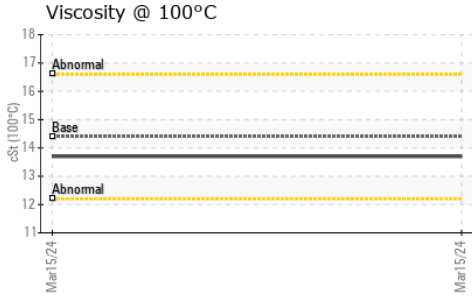
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	5	---	---
Sodium	ppm	ASTM D5185(m) >158	2	---	---
Potassium	ppm	ASTM D5185(m) >20	8	---	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	0	---	---
Nitration	Abs/cm	ASTM D7624* >20	5.8	---	---
Sulfation	Abs./1mm	ASTM D7415* >30	19.8	---	---



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FLUID DEGRADATION

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

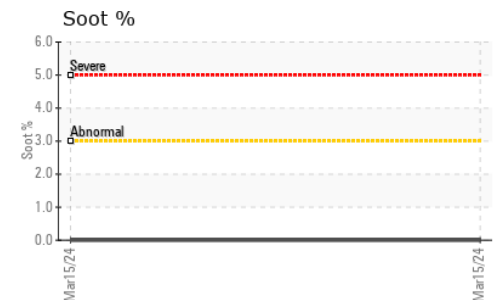
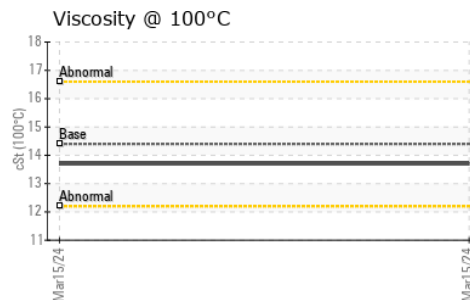
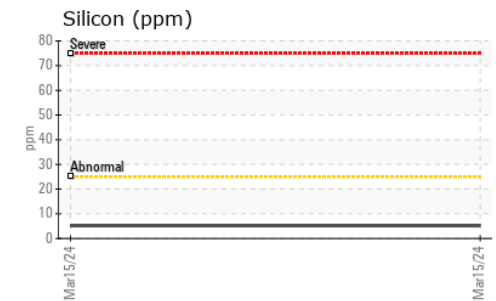
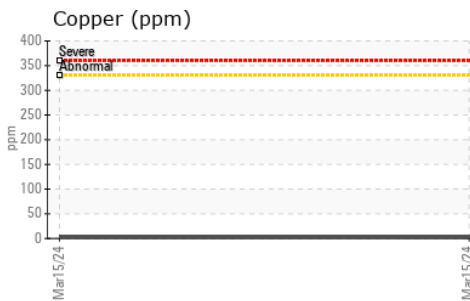
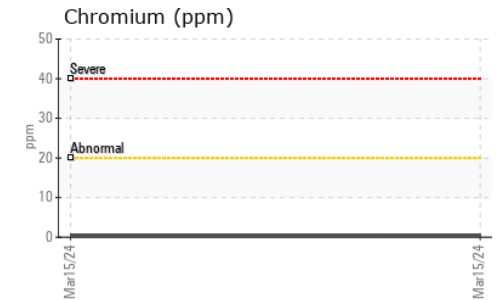
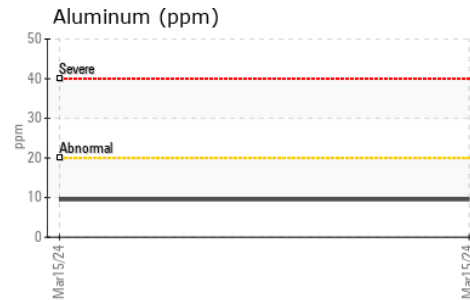
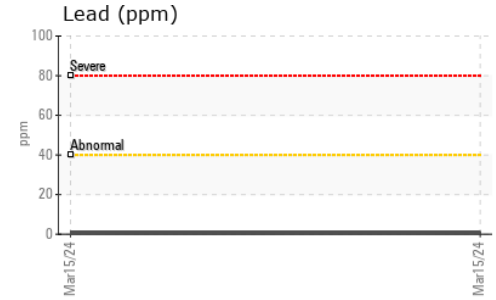
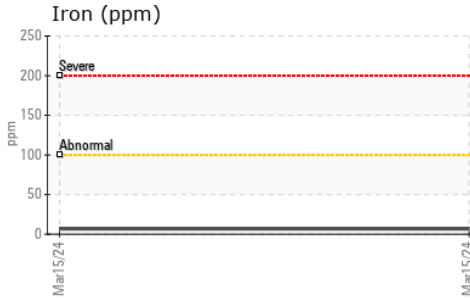
VISUAL

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

FLUID PROPERTIES

method	limit/base	current	history1	history2
cSt	ASTM D7279(m)	14.4	---	---

GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0890758
Lab Number : 02623016
Unique Number : 5748135
Test Package : MOB 1

Received : 19 Mar 2024
Tested : 19 Mar 2024
Diagnosed : 19 Mar 2024 - Kevin Marson

C.G. EQUIPMENT
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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.