

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[217796]
Machine Id
U643865M
Component
Diesel Engine
Fluid
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		WA0019599	---	---
Sample Date	Client Info		06 Dec 2023	---	---
Machine Age	hrs Client Info		275	---	---
Oil Age	hrs Client Info		65	---	---
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)	>250	2	---	---
Chromium	ppm ASTM D5185(m)	>10	0	---	---
Nickel	ppm ASTM D5185(m)	>5	<1	---	---
Titanium	ppm ASTM D5185(m)		0	---	---
Silver	ppm ASTM D5185(m)	>3	0	---	---
Aluminum	ppm ASTM D5185(m)	>35	<1	---	---
Lead	ppm ASTM D5185(m)	>100	0	---	---
Copper	ppm ASTM D5185(m)	>60	<1	---	---
Tin	ppm ASTM D5185(m)	>5	0	---	---
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)		10	---	---
Barium	ppm ASTM D5185(m)		<1	---	---
Molybdenum	ppm ASTM D5185(m)		56	---	---
Manganese	ppm ASTM D5185(m)		0	---	---
Magnesium	ppm ASTM D5185(m)		906	---	---
Calcium	ppm ASTM D5185(m)		1050	---	---
Phosphorus	ppm ASTM D5185(m)		975	---	---
Zinc	ppm ASTM D5185(m)		1134	---	---
Sulfur	ppm ASTM D5185(m)		2594	---	---
Lithium	ppm ASTM D5185(m)		<1	---	---

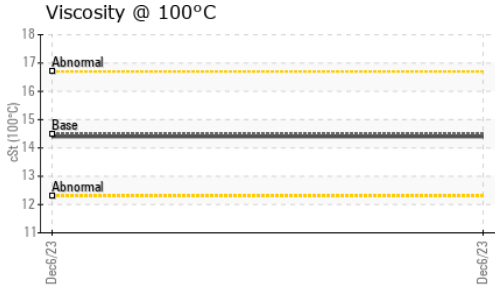
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	>35	7	---	---
Sodium	ppm ASTM D5185(m)	>57	1	---	---
Potassium	ppm ASTM D5185(m)	>20	0	---	---

INFRA-RED

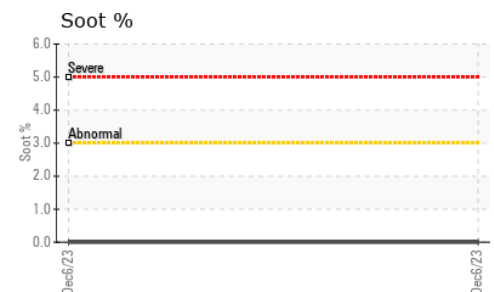
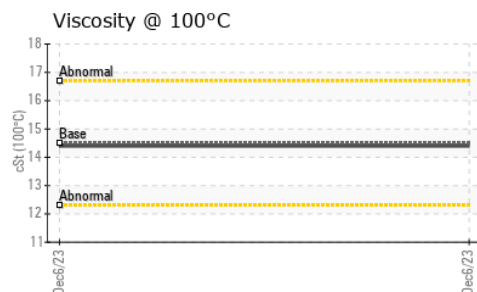
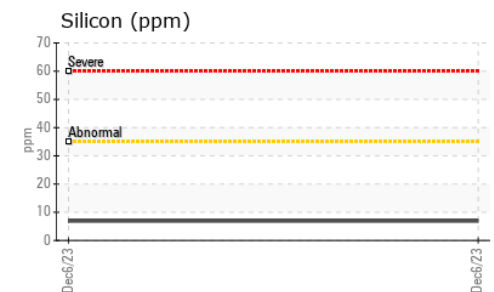
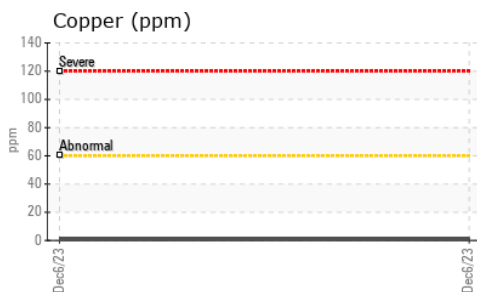
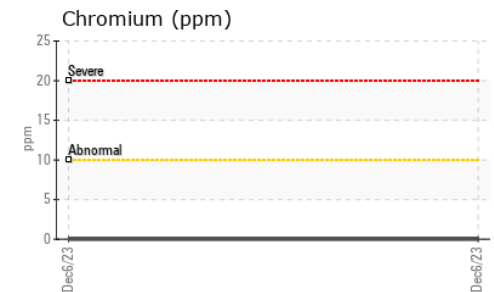
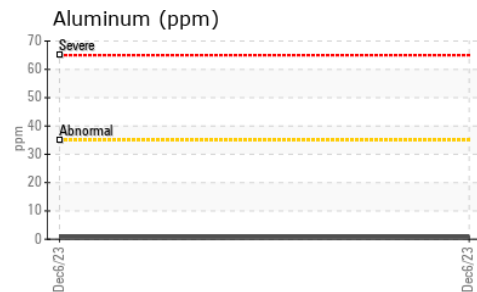
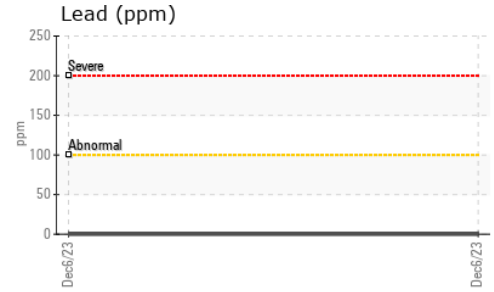
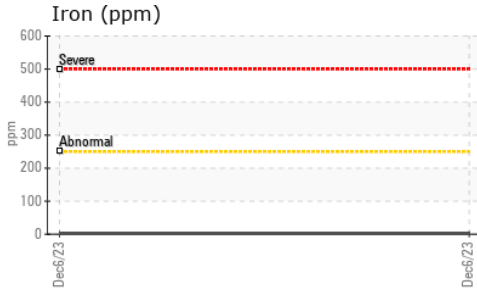
	method	limit/base	current	history1	history2
Soot %	% ASTM D7844*	>3	0	---	---
Nitration	Abs/cm ASTM D7624*	>20	4.9	---	---
Sulfation	Abs./1mm ASTM D7415*	>30	17.9	---	---

OIL ANALYSIS REPORT



FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	13.6	---	---
VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.5	14.4	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0019599 **Received** : 12 Dec 2023
Lab Number : **02602528** **Diagnosed** : 12 Dec 2023
Unique Number : 5695613 **Diagnostician** : 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.