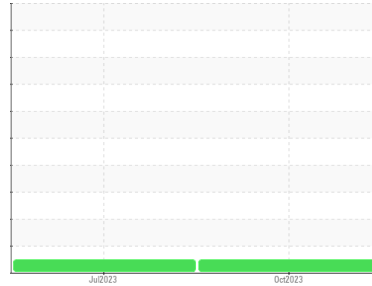




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
DWGCWLECAM1010122

Component
Diesel Engine

Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

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			WC0852017	WC0811247	---
Sample Date	Client Info			11 Oct 2023	21 Jul 2023	---
Machine Age	hrs	Client Info		2026	1514	---
Oil Age	hrs	Client Info		500	500	---
Oil Changed	Client Info			Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method		>3.0	<1.0	<1.0	---
Glycol	WC Method			NEG	0.0	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>50	4	5	---
Chromium	ppm	ASTM D5185(m)	>20	0	0	---
Nickel	ppm	ASTM D5185(m)	>5	<1	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>3	<1	0	---
Aluminum	ppm	ASTM D5185(m)	>20	<1	1	---
Lead	ppm	ASTM D5185(m)	>40	2	6	---
Copper	ppm	ASTM D5185(m)	>30	21	166	---
Tin	ppm	ASTM D5185(m)	>15	<1	1	---
Antimony	ppm	ASTM D5185(m)		0	0	---
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	112	52	---
Barium	ppm	ASTM D5185(m)	10	<1	0	---
Molybdenum	ppm	ASTM D5185(m)	100	1	3	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)	450	78	693	---
Calcium	ppm	ASTM D5185(m)	3000	2130	1340	---
Phosphorus	ppm	ASTM D5185(m)	1150	925	751	---
Zinc	ppm	ASTM D5185(m)	1350	1130	802	---
Sulfur	ppm	ASTM D5185(m)	4250	2816	2352	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

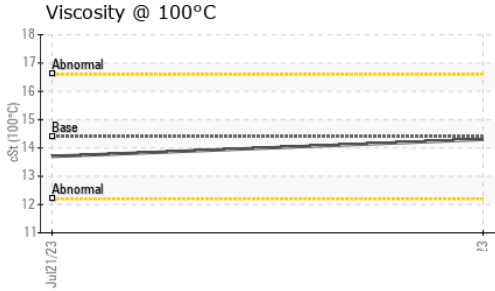
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	5	6	---
Sodium	ppm	ASTM D5185(m)	>158	3	3	---
Potassium	ppm	ASTM D5185(m)	>20	6	3	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	7.9	8.3	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.2	20.3	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.1	13.8	---



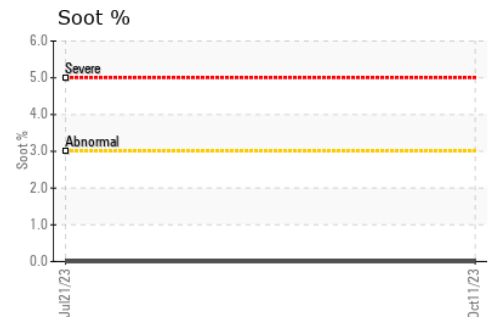
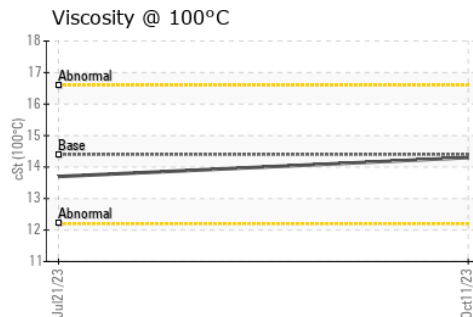
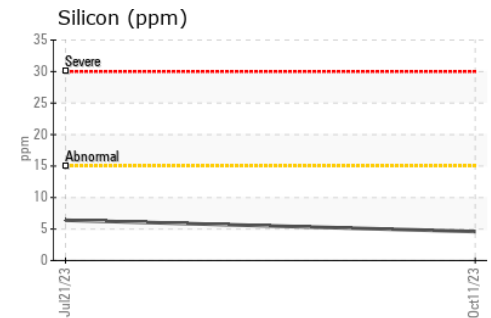
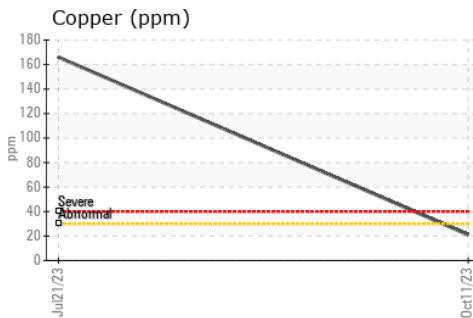
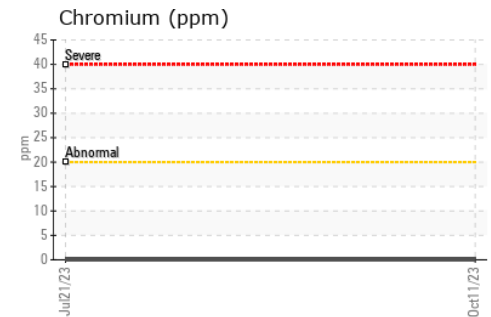
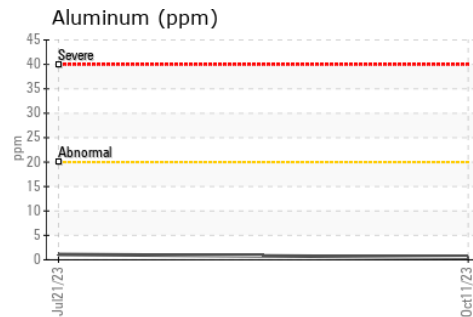
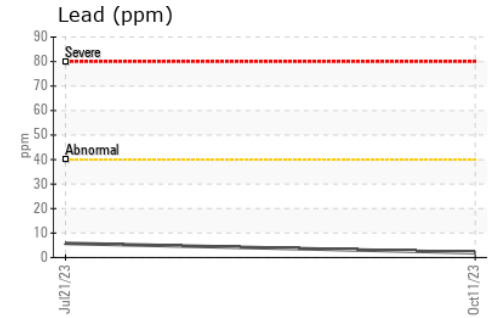
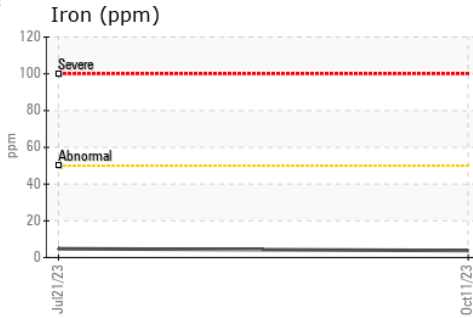
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	14.3	13.7

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0852017 **Received** : 17 Oct 2023
Lab Number : **02589512** **Diagnosed** : 17 Oct 2023
Unique Number : 5658578 **Diagnostician** : Wes Davis
Test Package : MOB 1

C.G. EQUIPMENT
 7367 Wellington Rd. 30, Unit A
 Guelph, ON
 CA N0M 2T0
 Contact: Maureen McDonald
 mmcdonald@cgequipment.com
 T:
 F: (519)837-2055

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.