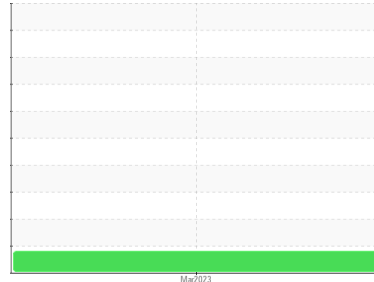




# OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id  
**JLG D300184484**

Component  
**Diesel Engine**

Fluid  
**KLONDIKE SYNTHETIC HD 10W-40 (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

### ▲ Fluid Condition

Viscosity of sample indicates oil is within SAE 0W30 range, advise investigate. The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PP0000498</b>	---	---
Sample Date	Client Info	<b>15 Mar 2023</b>	---	---
Machine Age	hrs	Client Info	<b>0</b>	---
Oil Age	hrs	Client Info	<b>0</b>	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## CONTAMINATION

method	limit/base	current	history1	history2
Glycol	WC Method	<b>NEG</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >100	<b>7</b>	---
Chromium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---
Nickel	ppm	ASTM D5185(m) >4	<b>&lt;1</b>	---
Titanium	ppm	ASTM D5185(m)	<b>10</b>	---
Silver	ppm	ASTM D5185(m) >3	<b>0</b>	---
Aluminum	ppm	ASTM D5185(m) >20	<b>3</b>	---
Lead	ppm	ASTM D5185(m) >40	<b>0</b>	---
Copper	ppm	ASTM D5185(m) >330	<b>&lt;1</b>	---
Tin	ppm	ASTM D5185(m) >15	<b>&lt;1</b>	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	---
Vanadium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>24</b>	---
Barium	ppm	ASTM D5185(m)	<b>0</b>	---
Molybdenum	ppm	ASTM D5185(m)	<b>55</b>	---
Manganese	ppm	ASTM D5185(m)	<b>&lt;1</b>	---
Magnesium	ppm	ASTM D5185(m)	<b>832</b>	---
Calcium	ppm	ASTM D5185(m) 2360	<b>1178</b>	---
Phosphorus	ppm	ASTM D5185(m) 1120	<b>1064</b>	---
Zinc	ppm	ASTM D5185(m) 1250	<b>1173</b>	---
Sulfur	ppm	ASTM D5185(m)	<b>2854</b>	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<b>8</b>	---
Sodium	ppm	ASTM D5185(m)	<b>2</b>	---
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---
Fuel	%	ASTM D7593* >5	<b>1.2</b>	---

## INFRA-RED

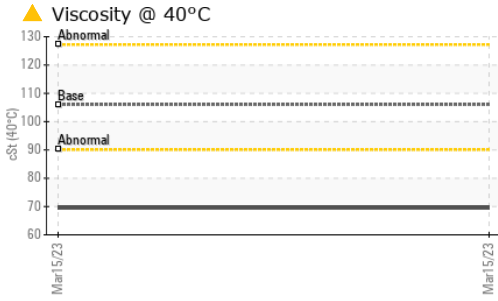
method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	<b>0</b>	---
Nitration	Abs/cm	ASTM D7624* >20	<b>7.5</b>	---
Sulfation	Abs/.1mm	ASTM D7415* >30	<b>19.2</b>	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414* >25	<b>13.9</b>	---



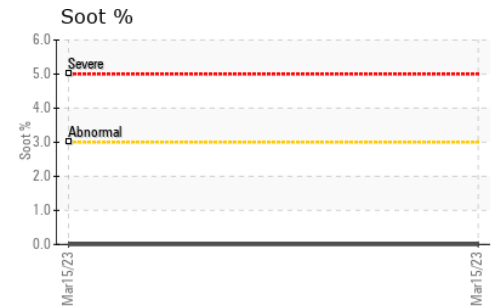
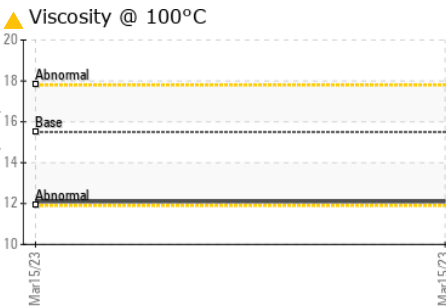
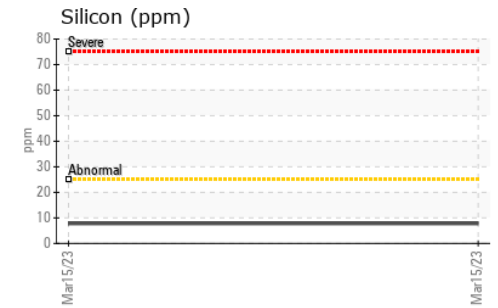
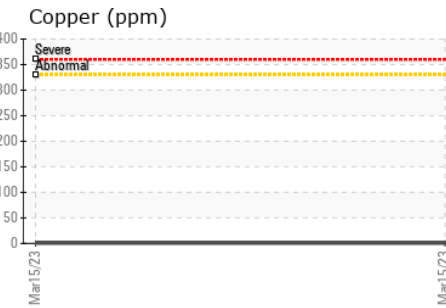
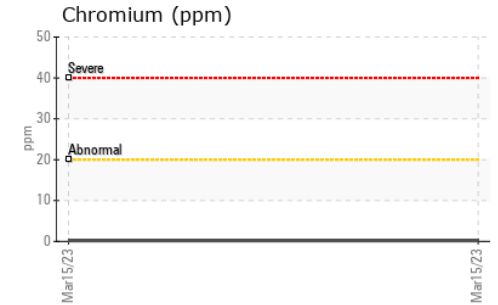
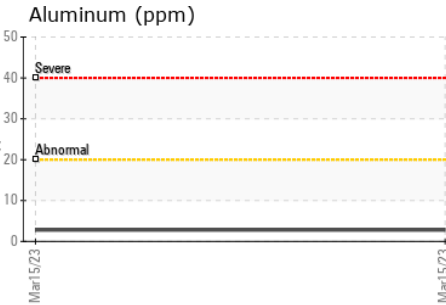
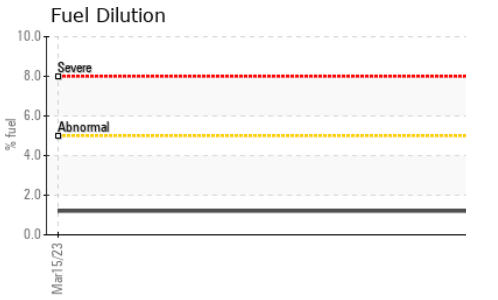
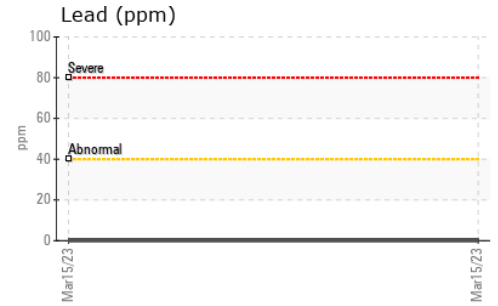
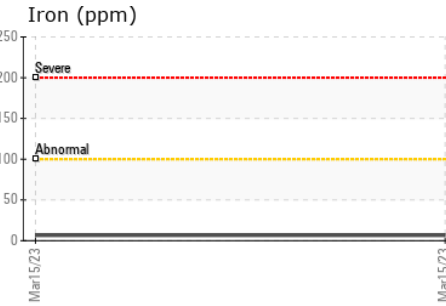
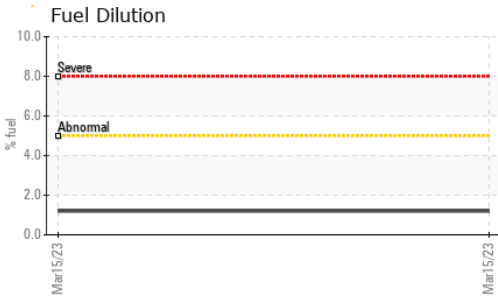
# OIL ANALYSIS REPORT



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 @ 40°C	cSt	ASTM D7279(m)	106	▲ 69.5	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.5	▲ 12.1	---
Viscosity Index (VI)	Scale	ASTM D2270*	155	172	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PP0000498 **Received** : 16 Mar 2023  
**Lab Number** : 02545680 **Diagnosed** : 14 Apr 2023  
**Unique Number** : 5542685 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: FuelDilution, KV40, PercentFuel, VI )

**CRESCENT OIL COMPANY**  
 136 CANNON STREET WEST  
 HAMILTON, ON  
 CA L8R 2B9  
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 F: (905)572-7724

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.