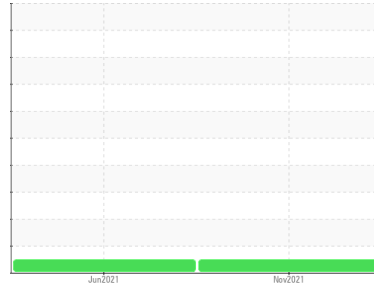




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

Equipment d`urgence/Salle des Machines

Machine Id: 15J02C Compresseur d`air d`urgence Moteur (S/N 8920737)

Component: Diesel Engine

Fluid: MOBIL DELVAC 1300 SUPER 10W30 (10 LTR)

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

### 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		<b>WC0549552</b>	WC0392746	---
Sample Date	Client Info		<b>01 Nov 2021</b>	19 Jun 2021	---
Machine Age	hrs	Client Info	<b>31</b>	24	---
Oil Age	hrs	Client Info	<b>10</b>	3	---
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >100	<b>5</b>	4	---
Chromium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185(m) >4	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m) >3	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m) >20	<b>2</b>	1	---
Lead	ppm	ASTM D5185(m) >40	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185(m) >330	<b>1</b>	1	---
Tin	ppm	ASTM D5185(m) >15	<b>&lt;1</b>	0	---
Antimony	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>74</b>	70	---
Barium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)	<b>37</b>	36	---
Manganese	ppm	ASTM D5185(m)	<b>1</b>	1	---
Magnesium	ppm	ASTM D5185(m)	<b>492</b>	468	---
Calcium	ppm	ASTM D5185(m)	<b>1736</b>	1777	---
Phosphorus	ppm	ASTM D5185(m)	<b>841</b>	774	---
Zinc	ppm	ASTM D5185(m)	<b>902</b>	914	---
Sulfur	ppm	ASTM D5185(m)	<b>2315</b>	2323	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

## CONTAMINANTS

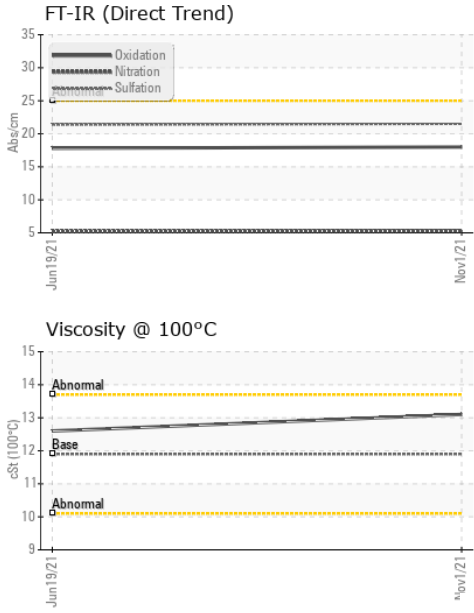
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<b>18</b>	16	---
Sodium	ppm	ASTM D5185(m)	<b>2</b>	3	---
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	<1	---

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624* >20	<b>5.3</b>	5.2	---
Sulfation	Abs./1mm	ASTM D7415* >30	<b>21.5</b>	21.4	---



# OIL ANALYSIS REPORT

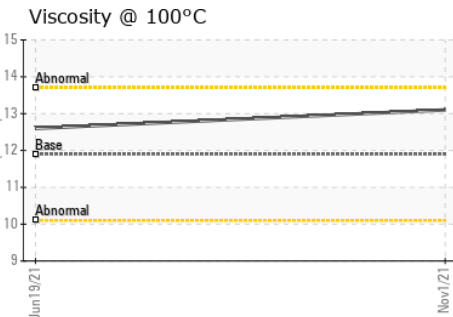
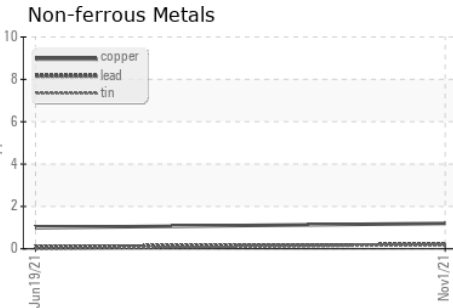
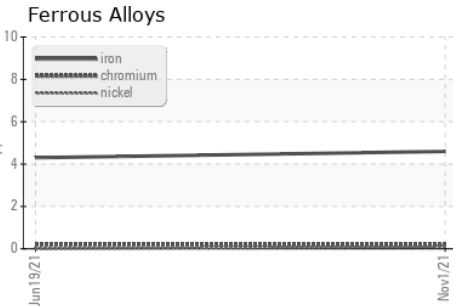


FLUID DEGRADATION	method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	<b>18.0</b>	17.8	---

VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>VLITE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	VLITE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---
Free Water	scalar	Visual*		<b>NEG</b>	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D7279(m)	11.9	<b>13.1</b>	12.6	---

### GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0549552  
**Lab Number** : **02458160**  
**Unique Number** : 5317721  
**Test Package** : MAR 1

**Canadian Coast Guard**  
 CCGS Amundsen, 101 Boul. Champlain  
 Quebec, QC  
 CA G1K 7Y7

Received : 24 Nov 2021  
 Tested : 25 Nov 2021  
 Diagnosed : 25 Nov 2021 - Kevin Marson

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.

Contact: Chief Engineer  
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