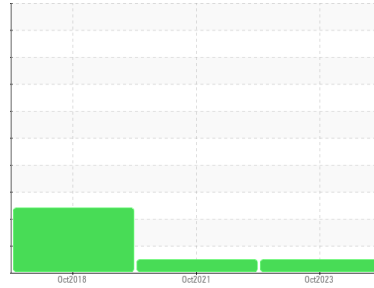




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**MEGGA BITE**  
 Machine Id  
**EGG HARBOR GOLDEN EGG EGY52 (S/N 8V92RHE)**  
 Component  
**Right Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1240 (24 LTR)**

## DIAGNOSIS

### Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. 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

Additive levels indicate the addition of a different brand, or type of oil. 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>WC0860241</b>	PP	PP
Sample Date	Client Info			<b>17 Oct 2023</b>	03 Oct 2021	17 Oct 2018
Machine Age	hrs	Client Info		<b>2448</b>	2400	0
Oil Age	hrs	Client Info		<b>48</b>	35	100
Oil Changed	Client Info			<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	MARGINAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method		>3.0	<b>&lt;1.0</b>	<1.0	<1.0
Glycol	WC Method			<b>NEG</b>	NEG	▲ 0.009

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>200	<b>66</b>	80	58
Chromium	ppm	ASTM D5185(m)	>20	<b>4</b>	5	3
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>30	<b>1</b>	1	3
Lead	ppm	ASTM D5185(m)	>30	<b>1</b>	2	3
Copper	ppm	ASTM D5185(m)	>30	<b>4</b>	5	10
Tin	ppm	ASTM D5185(m)	>15	<b>5</b>	7	9
Antimony	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>2</b>	2	1
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>80</b>	4	14
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>400</b>	1509	957
Calcium	ppm	ASTM D5185(m)		<b>1818</b>	68	759
Phosphorus	ppm	ASTM D5185(m)		<b>1010</b>	1192	960
Zinc	ppm	ASTM D5185(m)		<b>1114</b>	1344	1118
Sulfur	ppm	ASTM D5185(m)		<b>4588</b>	10270	9359
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	0

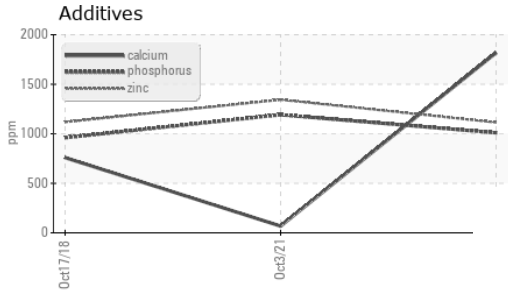
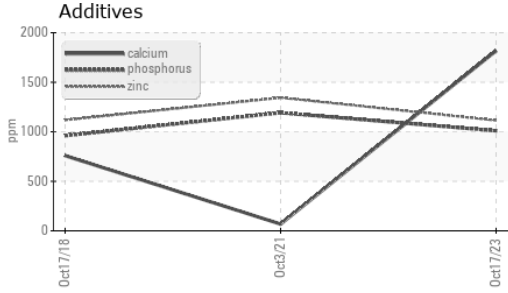
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	<b>9</b>	12	16
Sodium	ppm	ASTM D5185(m)		<b>2</b>	1	5
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	2

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	<b>0.1</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>3.9</b>	3.4	5.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>13.4</b>	12.9	13.8

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>5.6</b>	3.7	5.1



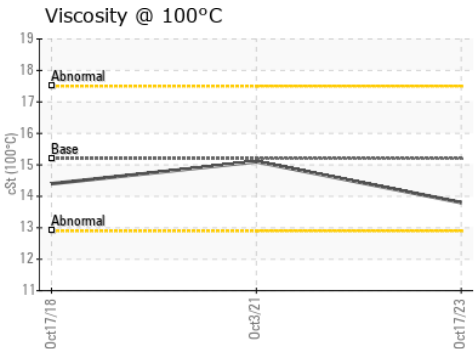
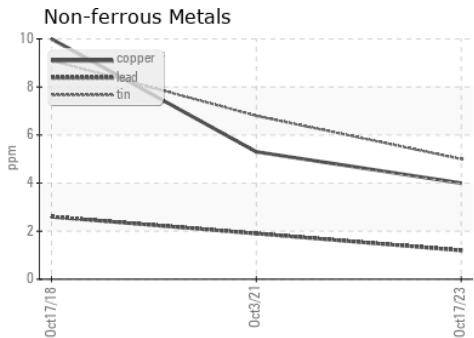
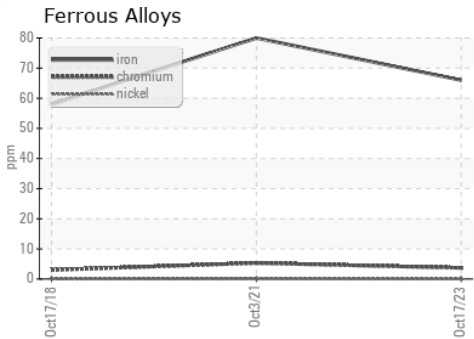
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	.2%
Free Water	scalar	Visual*		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D7279(m)	15.2	<b>13.8</b>	15.1	14.4

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0860241      **Received** : 20 Oct 2023  
**Lab Number** : **02590473**      **Diagnosed** : 20 Oct 2023  
**Unique Number** : 5659539      **Diagnostician** : Kevin Marson  
**Test Package** : MAR 1

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.

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