



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**Roll off**  
 Component  
**2 Diesel Engine**  
 Fluid  
**MOBIL 15W40 (10 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>GFL0108615</b>	---	---
Sample Date	Client Info	<b>22 Feb 2024</b>	---	---
Machine Age	hrs Client Info	<b>2352</b>	---	---
Oil Age	hrs Client Info	<b>500</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## CONTAMINATION

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

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >100	<b>5</b>	---	---
Chromium	ppm ASTM D5185m >20	<b>0</b>	---	---
Nickel	ppm ASTM D5185m >4	<b>0</b>	---	---
Titanium	ppm ASTM D5185m	<b>0</b>	---	---
Silver	ppm ASTM D5185m >3	<b>0</b>	---	---
Aluminum	ppm ASTM D5185m >20	<b>4</b>	---	---
Lead	ppm ASTM D5185m >40	<b>0</b>	---	---
Copper	ppm ASTM D5185m >330	<b>0</b>	---	---
Tin	ppm ASTM D5185m >15	<b>0</b>	---	---
Vanadium	ppm ASTM D5185m	<b>0</b>	---	---
Cadmium	ppm ASTM D5185m	<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>39</b>	---	---
Barium	ppm ASTM D5185m	<b>1</b>	---	---
Molybdenum	ppm ASTM D5185m	<b>47</b>	---	---
Manganese	ppm ASTM D5185m	<b>0</b>	---	---
Magnesium	ppm ASTM D5185m	<b>678</b>	---	---
Calcium	ppm ASTM D5185m	<b>1253</b>	---	---
Phosphorus	ppm ASTM D5185m	<b>995</b>	---	---
Zinc	ppm ASTM D5185m	<b>1147</b>	---	---
Sulfur	ppm ASTM D5185m	<b>2678</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >25	<b>5</b>	---	---
Sodium	ppm ASTM D5185m >118	<b>1</b>	---	---
Potassium	ppm ASTM D5185m >20	<b>9</b>	---	---

## INFRA-RED

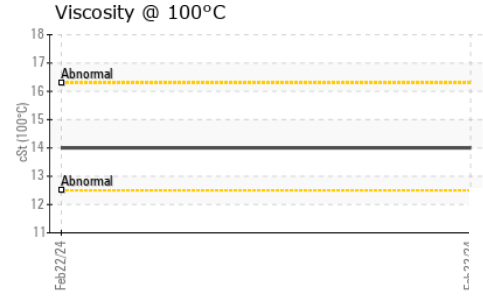
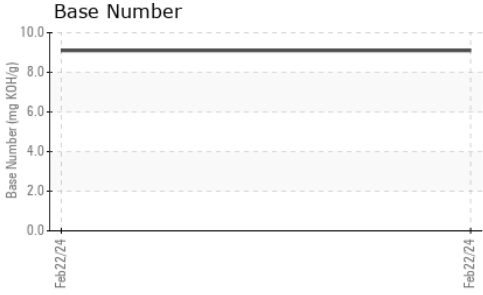
method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	<b>0.2</b>	---	---
Nitration	Abs/cm *ASTM D7624 >20	<b>7.1</b>	---	---
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>19.9</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>15.9</b>	---	---
Base Number (BN)	mg KOH/g ASTM D2896	<b>9.1</b>	---	---



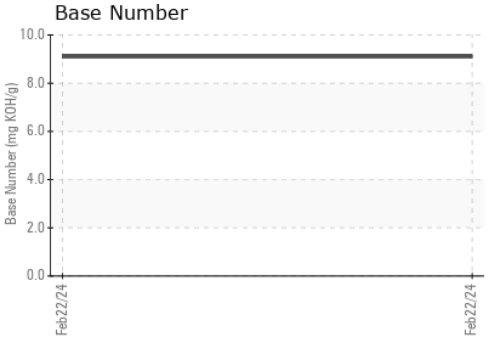
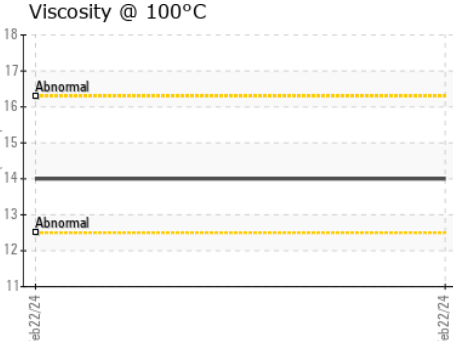
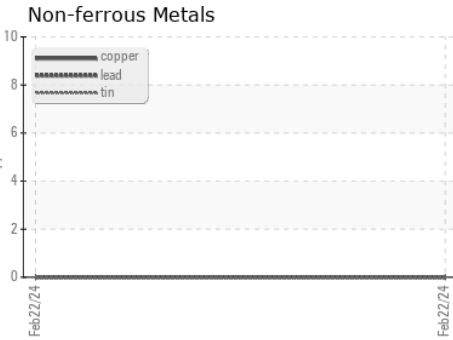
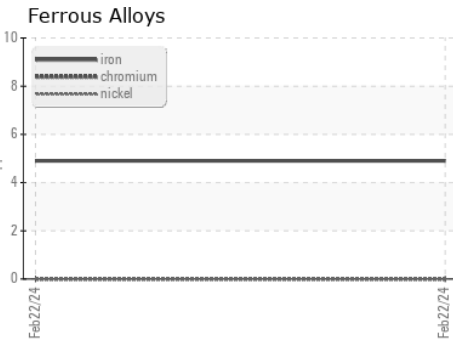
# OIL ANALYSIS REPORT



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

PARAMETER	method	limit/base	current	history1	history2
FLUID PROPERTIES					
Visc @ 100°C	cSt	ASTM D445	14.0	---	---

## GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : GFL0108615  
 Lab Number : 06109193  
 Unique Number : 10912690  
 Test Package : FLEET

Received : 05 Mar 2024  
 Tested : 06 Mar 2024  
 Diagnosed : 06 Mar 2024 - Wes Davis

GFL Environmental - 904B - Menomonic  
 1706 MIDWAY RD  
 MENOMONIE, WI  
 US 54751  
 Contact: ANDY KANE

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: (715)202-3420

F: