



# OIL ANALYSIS REPORT

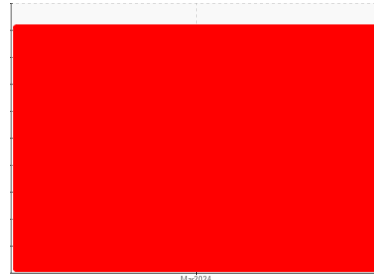
Sample Rating Trend

GLYCOL



Machine Id  
**FORD NO UNIT WC0926505**

Component  
**Diesel Engine**  
Fluid  
**{not provided} (--- GAL)**



## DIAGNOSIS

### ▲ Recommendation

We advise that you check for the source of the coolant leak. We recommend that you drain the oil from the component if this has not already been done. We advise that you flush the component thoroughly before re-filling with oil. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

### ▲ Wear

Silver ppm levels are abnormal.

### ▲ Contamination

Test for glycol is positive. There is a high concentration of glycol present in the oil.

### ● Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0926505</b>	---	---
Sample Date	Client Info		<b>20 Mar 2024</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>SEVERE</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>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	<b>34</b>	---
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	---
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	---
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	---
Silver	ppm	ASTM D5185(m)	>2	<b>▲ 3</b>	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>3</b>	---
Lead	ppm	ASTM D5185(m)	>40	<b>11</b>	---
Copper	ppm	ASTM D5185(m)	>330	<b>73</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>0</b>	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	---
Cadmium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>287</b>	---
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---
Molybdenum	ppm	ASTM D5185(m)		<b>89</b>	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---
Magnesium	ppm	ASTM D5185(m)		<b>422</b>	---
Calcium	ppm	ASTM D5185(m)		<b>1520</b>	---
Phosphorus	ppm	ASTM D5185(m)		<b>727</b>	---
Zinc	ppm	ASTM D5185(m)		<b>865</b>	---
Sulfur	ppm	ASTM D5185(m)		<b>2257</b>	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---

## CONTAMINANTS

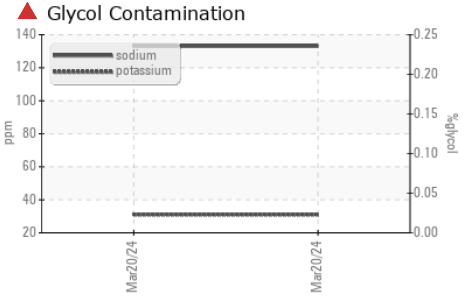
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	<b>8</b>	---
Sodium	ppm	ASTM D5185(m)		<b>● 133</b>	---
Potassium	ppm	ASTM D5185(m)	>20	<b>▲ 31</b>	---
Glycol	%	ASTM D7922*		<b>▲ &gt;.70</b>	---

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	<b>0.1</b>	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.7</b>	---
Sulfation	Abs./1mm	ASTM D7415*	>30	<b>17.1</b>	---



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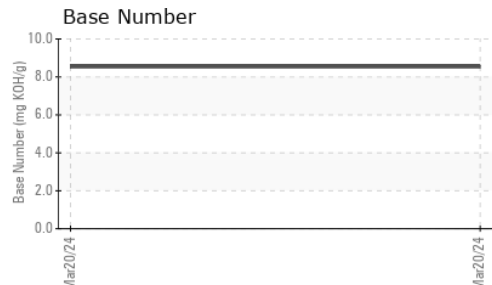
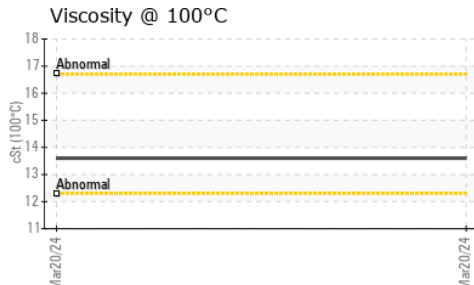
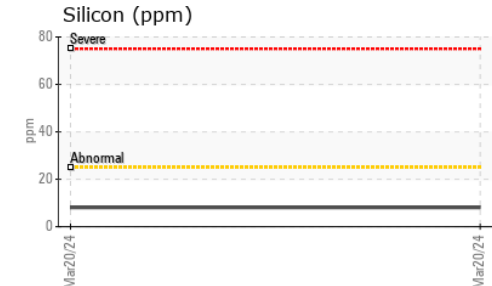
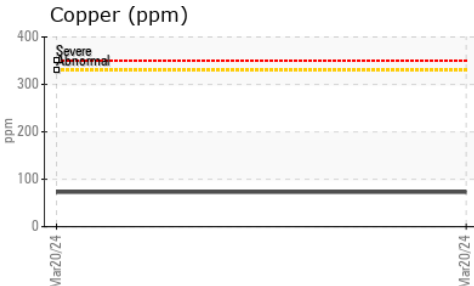
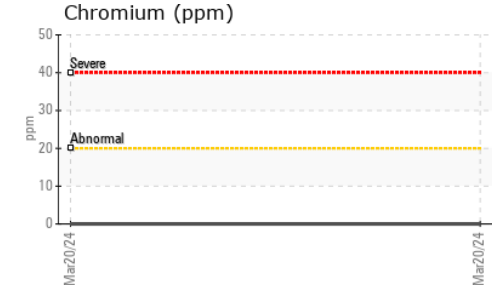
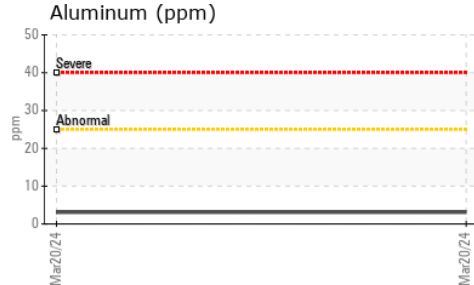
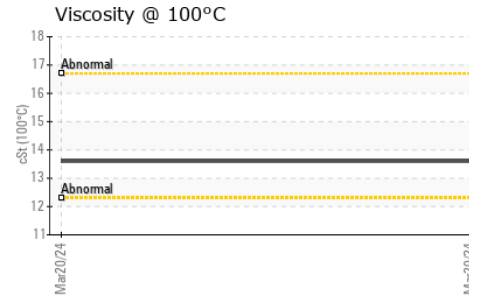
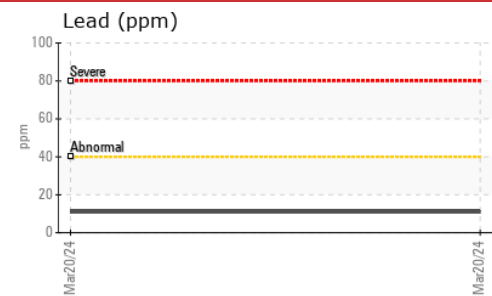
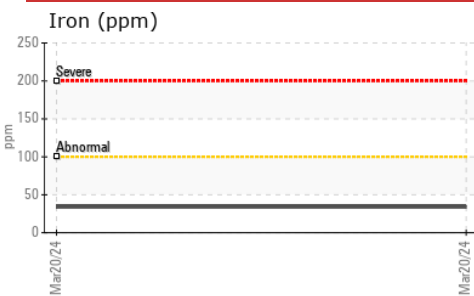
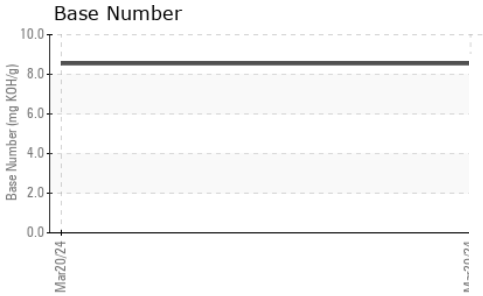


FLUID DEGRADATION	method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	<b>16.9</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		<b>8.54</b>	---	---

VISUAL	method	limit/base	current	history1	history2	
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	---	---
Free Water	scalar	Visual*		<b>NEG</b>	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D7279(m)		<b>13.6</b>	---	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0926505 **Received** : 25 Mar 2024  
**Lab Number** : **02624114** **Tested** : 25 Mar 2024  
**Unique Number** : 5749233 **Diagnosed** : 25 Mar 2024 - Kevin Marson  
**Test Package** : MOB 2 ( Additional Tests: Glycol )

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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.