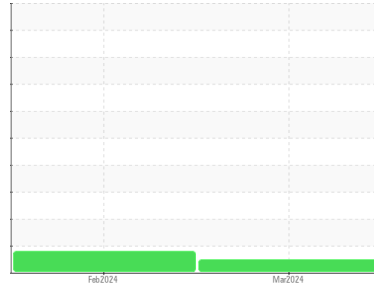


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**FORD 515579**  
Component  
**Gasoline Engine**  
Fluid  
**DIESEL ENGINE OIL SAE 5W30 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 5W30. Please confirm.

### 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>PC0085540</b>	PC0085561	---
Sample Date	Client Info			<b>29 Mar 2024</b>	14 Feb 2024	---
Machine Age	kms	Client Info		<b>11112</b>	7110	---
Oil Age	kms	Client Info		<b>8000</b>	0	---
Oil Changed	Client Info			<b>N/A</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	MARGINAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>4.0	<b>&lt;1.0</b>	▲ 3.3	---	---
Water	WC Method	>0.2	<b>NEG</b>	NEG	---	---
Glycol	WC Method		<b>NEG</b>	NEG	---	---

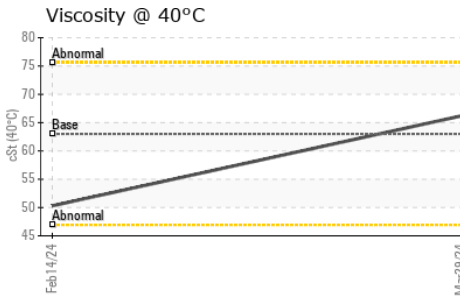
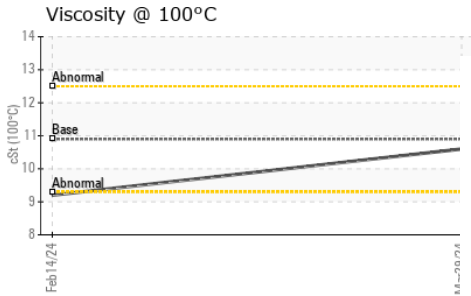
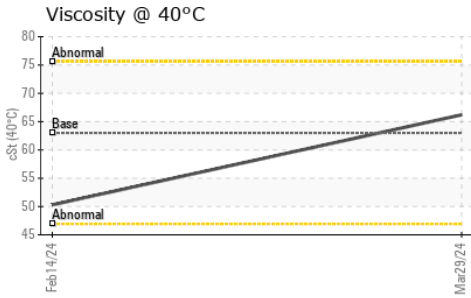
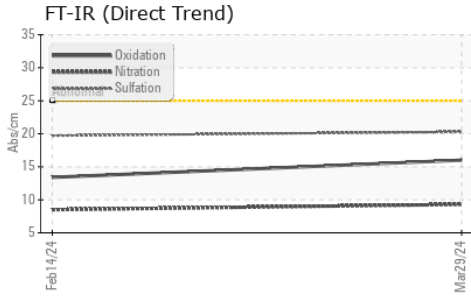
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>150	<b>6</b>	7	---
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>40	<b>2</b>	4	---
Lead	ppm	ASTM D5185(m)	>50	<b>0</b>	<1	---
Copper	ppm	ASTM D5185(m)	>155	<b>3</b>	8	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m)		<b>0</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)	250	<b>11</b>	87	---
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	100	<b>60</b>	78	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	450	<b>841</b>	503	---
Calcium	ppm	ASTM D5185(m)	3000	<b>1026</b>	1246	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>888</b>	661	---
Zinc	ppm	ASTM D5185(m)	1350	<b>1055</b>	729	---
Sulfur	ppm	ASTM D5185(m)	4250	<b>2363</b>	2426	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	<b>15</b>	45	---
Sodium	ppm	ASTM D5185(m)	>400	<b>3</b>	4	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.3</b>	8.5	---
Sulfation	Abs./1mm	ASTM D7415*	>30	<b>20.3</b>	19.7	---

# OIL ANALYSIS REPORT

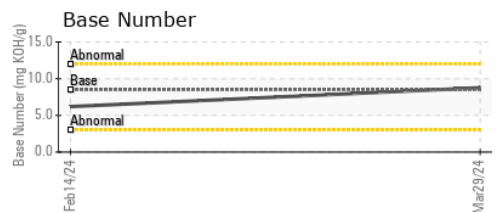
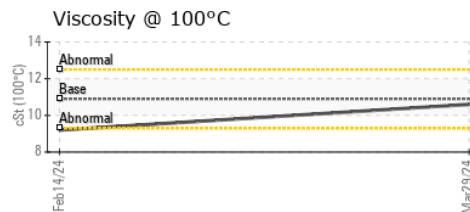
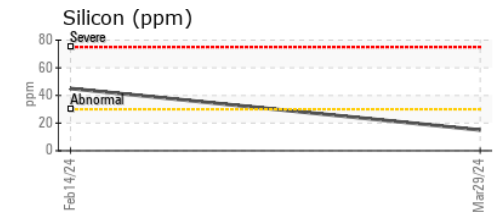
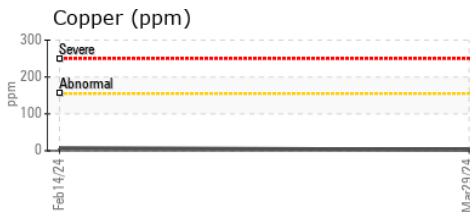
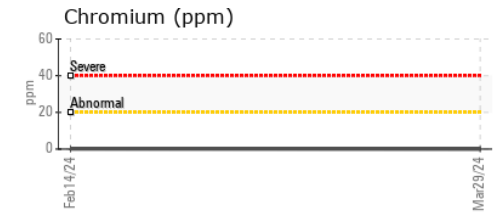
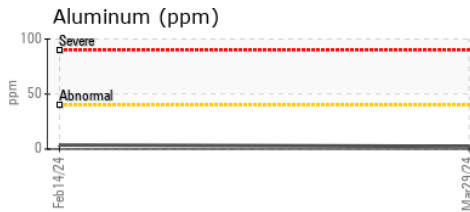
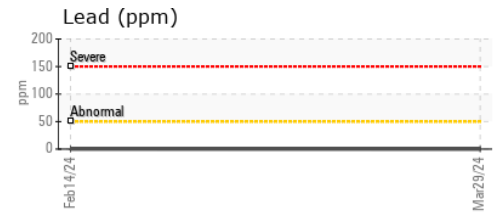
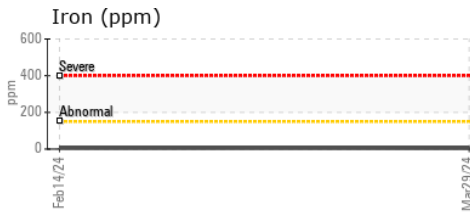


FLUID DEGRADATION						
	method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	16.0	13.4	---
Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	8.77	6.20	---

VISUAL						
	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	VLITE	---	
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	---	

FLUID PROPERTIES						
	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	63	66.2	50.3	---
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	10.6	9.2	---
Viscosity Index (VI)	Scale	ASTM D2270*	165	149	167	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0085540 **Received** : 01 May 2024  
**Lab Number** : **02632530** **Tested** : 02 May 2024  
**Unique Number** : 5773683 **Diagnosed** : 02 May 2024 - Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: KV40, VI )

**UPS CANADA**  
 2900 STEELES AVE W  
 CONCORD, ON  
 CA L4K 3S2  
 Contact: Service Manager

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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F: