

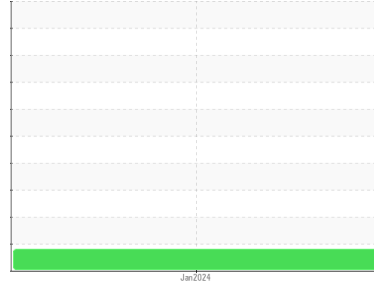
# OIL ANALYSIS REPORT

Sample Rating Trend

**FUEL**



Machine Id  
**FORD 515604**  
Component  
**Diesel Engine**  
Fluid  
**SAE 5W30 (--- GAL)**



## DIAGNOSIS

**Recommendation**  
No corrective action is recommended at this time. Resample at the next service interval to monitor.

**Wear**  
Metal levels are typical for a new component breaking in.

**Contamination**  
Light fuel dilution occurring. No other contaminants were detected 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>PC0085558</b>	---	---
Sample Date	Client Info	<b>30 Jan 2024</b>	---	---
Machine Age	kms Client Info	<b>7532</b>	---	---
Oil Age	kms Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>MARGINAL</b>	---	---

## CONTAMINATION

method	limit/base	current	history1	history2
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 D5185(m) >100	<b>6</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>0</b>	---	---
Aluminum	ppm ASTM D5185(m) >25	<b>3</b>	---	---
Lead	ppm ASTM D5185(m) >40	<b>&lt;1</b>	---	---
Copper	ppm ASTM D5185(m) >330	<b>6</b>	---	---
Tin	ppm ASTM D5185(m) >15	<b>0</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>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	<b>107</b>	---	---
Barium	ppm ASTM D5185(m)	<b>0</b>	---	---
Molybdenum	ppm ASTM D5185(m)	<b>77</b>	---	---
Manganese	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---
Magnesium	ppm ASTM D5185(m)	<b>517</b>	---	---
Calcium	ppm ASTM D5185(m)	<b>1244</b>	---	---
Phosphorus	ppm ASTM D5185(m)	<b>676</b>	---	---
Zinc	ppm ASTM D5185(m)	<b>736</b>	---	---
Sulfur	ppm ASTM D5185(m)	<b>2463</b>	---	---
Lithium	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---

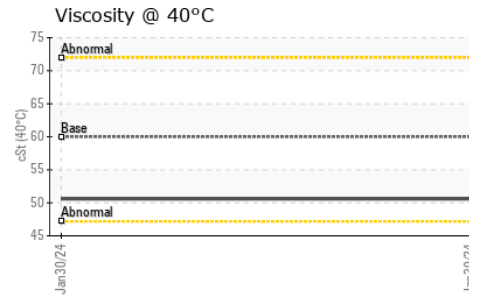
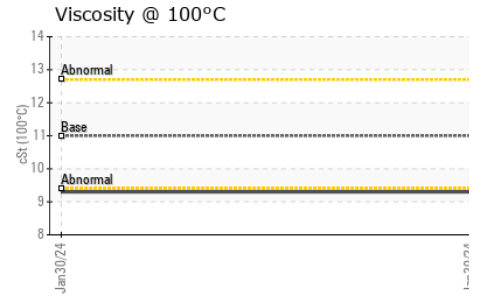
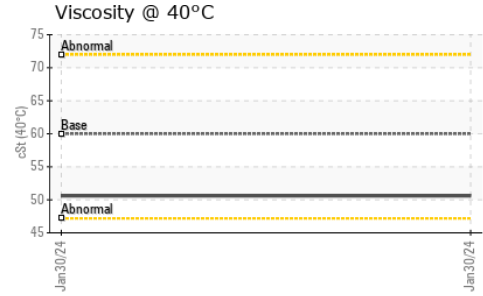
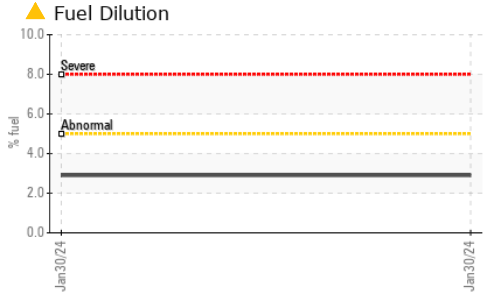
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >25	<b>31</b>	---	---
Sodium	ppm ASTM D5185(m)	<b>3</b>	---	---
Potassium	ppm ASTM D5185(m) >20	<b>1</b>	---	---
Fuel	% ASTM D7593* >5	<b>▲ 2.9</b>	---	---

## INFRA-RED

method	limit/base	current	history1	history2
Soot %	% ASTM D7844* >3	<b>0</b>	---	---
Nitration	Abs/cm ASTM D7624* >20	<b>7.5</b>	---	---
Sulfation	Abs/.1mm ASTM D7415* >30	<b>18.0</b>	---	---

# OIL ANALYSIS REPORT

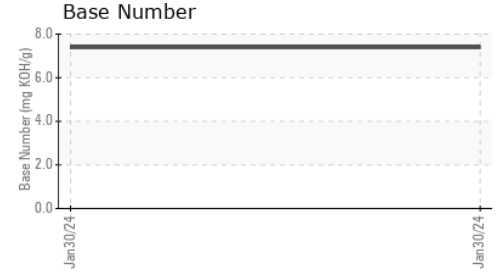
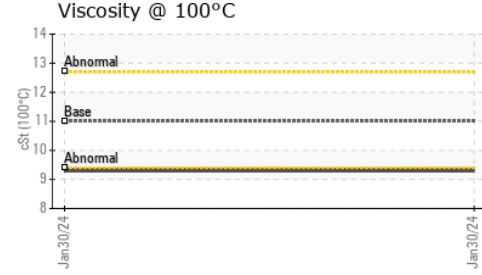
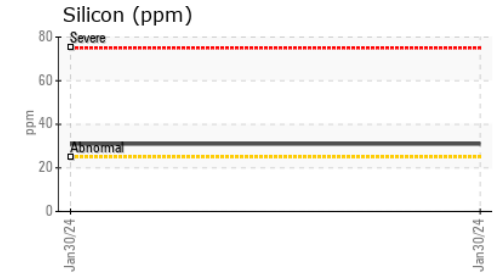
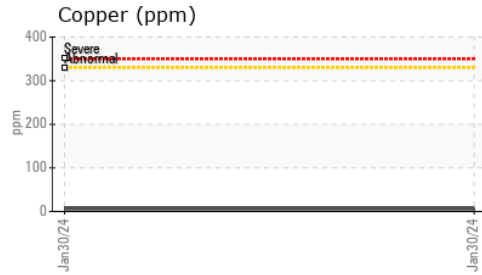
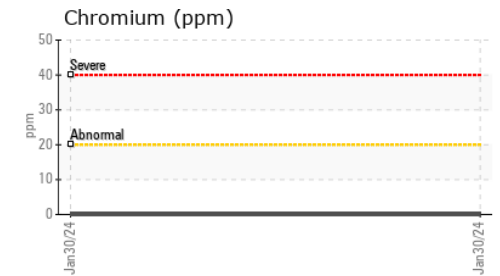
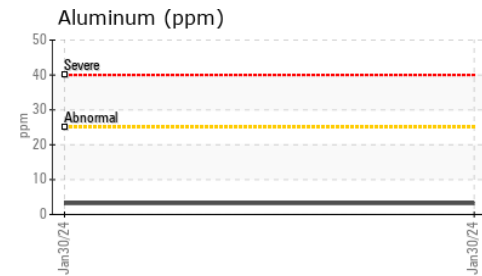
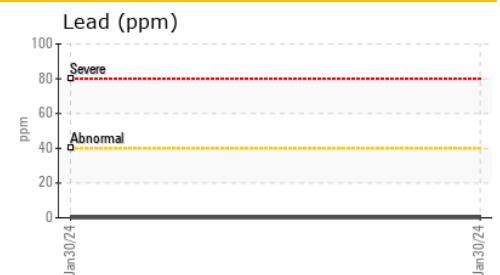
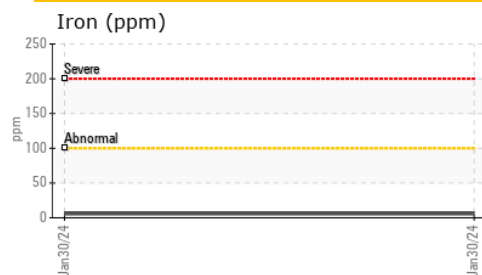


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	<b>11.5</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		<b>7.39</b>	---	---

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 @ 40°C	cSt	ASTM D7279(m)	60.0	<b>50.6</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.0	<b>9.3</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	177	<b>168</b>	---	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0085558 **Received** : 26 Feb 2024  
**Lab Number** : **02618012** **Tested** : 27 Feb 2024  
**Unique Number** : 5735122 **Diagnosed** : 27 Feb 2024 - Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: FuelDilution, KV40, PercentFuel, VI )

**UPS CANADA**  
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 T:  
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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.*