



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>SEVERE</b>
FLUID CONDITION	<b>SEVERE</b>

Machine Id  
**FORD 2010 F-150 5.4L TRITON**

Component  
**Gasoline Engine**

Fluid  
**PHILLIPS 66 5W30 (--- LTR)**

## RECOMMENDATION

We advise that you check the fuel injection system. We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. NOTE: Laboratory notes indicate the chromatograph appears to look like diesel fuel not gasoline.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0073115</b>	---	---
Sample Date		Client Info		<b>09 Jan 2024</b>	---	---
Machine Age	kms	Client Info		<b>122852</b>	---	---
Oil Age	kms	Client Info		<b>300</b>	---	---
Filter Age	kms	Client Info		<b>300</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>SEVERE</b>	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>150	<b>12</b>	---	---
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>2</b>	---	---
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>40	<b>2</b>	---	---
Lead	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m)	>155	<b>2</b>	---	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---

## CONTAMINATION

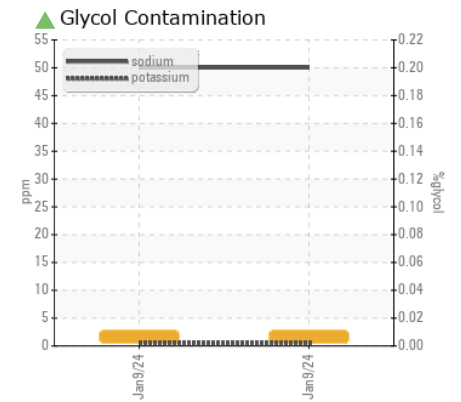
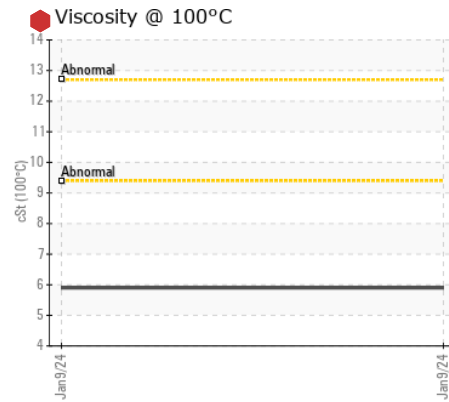
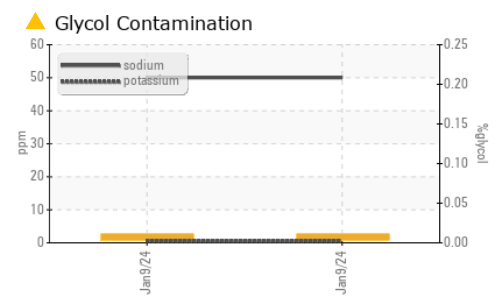
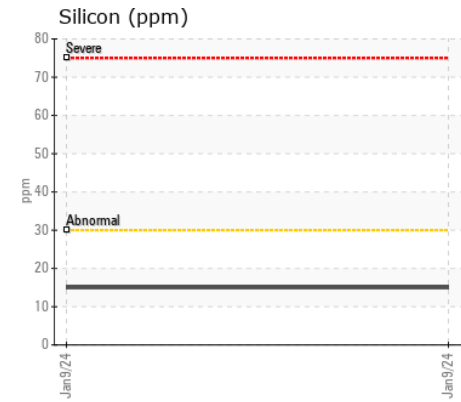
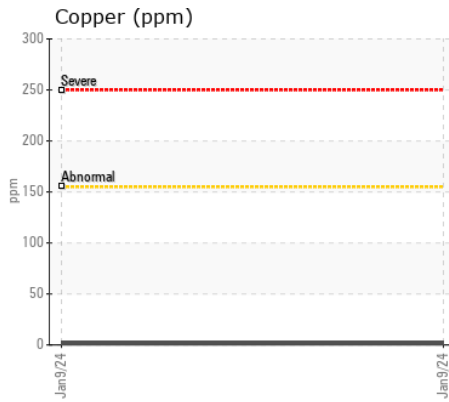
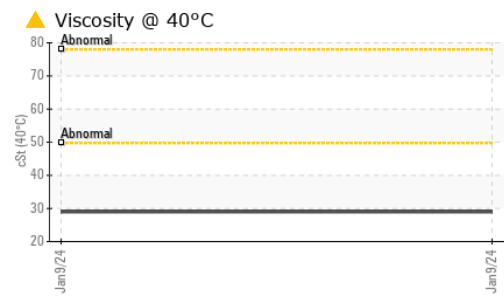
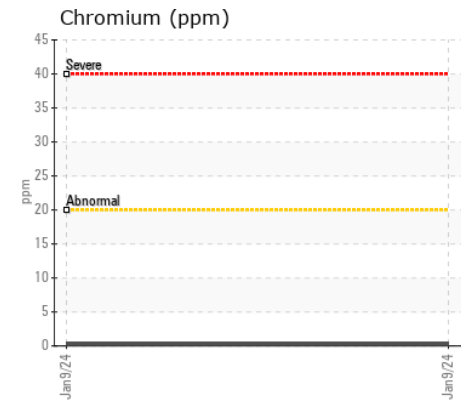
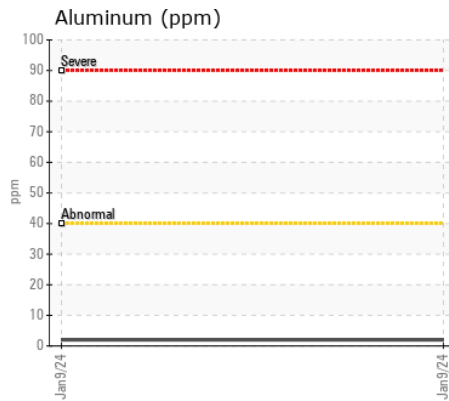
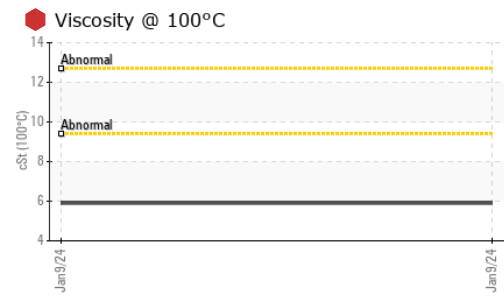
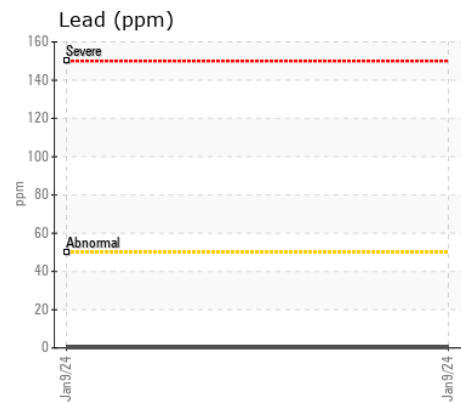
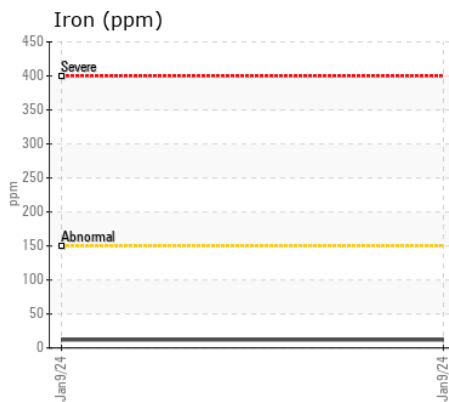
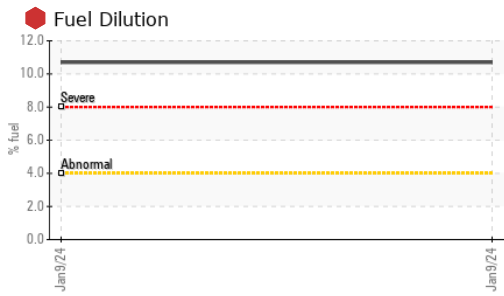
Test for glycol is positive. There is a high amount of fuel present in the oil. There is a light concentration of glycol present in the oil. Tests confirm the presence of fuel in the oil.

Silicon	ppm	ASTM D5185(m)	>30	<b>15</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Fuel	%	ASTM D7593*	>4.0	<b>10.7</b>	---	---
Water		WC Method	>0.2	<b>NEG</b>	---	---
Glycol	%	ASTM D7922*		<b>0.011</b>	---	---
Soot %	%	ASTM D7844*		<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.0</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>16.7</b>	---	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	---	---

## FLUID CONDITION

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)	>400	<b>50</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>98</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>51</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>340</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>796</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>587</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>611</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>2089</b>	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>11.6</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		<b>29.0</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		<b>5.9</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		<b>153</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GOLDSRING FARMING CO LTD**  
**Sample No.** : PC0073115 **Received** : 15 Jan 2024 **BOX 158**  
**Lab Number** : 02608663 **Diagnosed** : 16 Jan 2024 **WARNER, AB**  
**Unique Number** : 5709749 **Diagnostician** : Kevin Marson **CA T0K 2L0**  
**Test Package** : MOB 1 ( Additional Tests: FuelDilution, Glycol, KV40, PercentFuel, VI ) **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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