

# OIL ANALYSIS REPORT

Sample Rating Trend



**DIRT**



Machine Id  
**JOHN DEERE 350G 20-87 (S/N 1FF350GXVMF900460)**  
 Component  
**Right Final Drive**  
 Fluid  
**PETRO CANADA TRAXON 80W90 (--- GAL)**

## DIAGNOSIS

**Recommendation**  
 We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

**Wear**  
 All component wear rates are normal.

**Contamination**  
 Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

**Fluid Condition**  
 The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0056867</b>	---	---
Sample Date	Client Info	<b>10 Jan 2024</b>	---	---
Machine Age	hrs Client Info	<b>3377</b>	---	---
Oil Age	hrs Client Info	<b>3377</b>	---	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.075	<b>NEG</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >750	<b>446</b>	---	---
Chromium	ppm ASTM D5185m >9	<b>5</b>	---	---
Nickel	ppm ASTM D5185m >10	<b>2</b>	---	---
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Silver	ppm ASTM D5185m	<b>0</b>	---	---
Aluminum	ppm ASTM D5185m >40	<b>▲ 14</b>	---	---
Lead	ppm ASTM D5185m >15	<b>0</b>	---	---
Copper	ppm ASTM D5185m >40	<b>&lt;1</b>	---	---
Tin	ppm ASTM D5185m >10	<b>0</b>	---	---
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Cadmium	ppm ASTM D5185m	<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 243	<b>193</b>	---	---
Barium	ppm ASTM D5185m 1	<b>0</b>	---	---
Molybdenum	ppm ASTM D5185m	<b>0</b>	---	---
Manganese	ppm ASTM D5185m	<b>5</b>	---	---
Magnesium	ppm ASTM D5185m 2	<b>0</b>	---	---
Calcium	ppm ASTM D5185m 6	<b>29</b>	---	---
Phosphorus	ppm ASTM D5185m 987	<b>1176</b>	---	---
Zinc	ppm ASTM D5185m 1	<b>7</b>	---	---
Sulfur	ppm ASTM D5185m 21530	<b>20732</b>	---	---

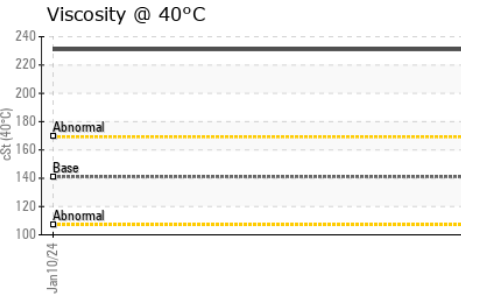
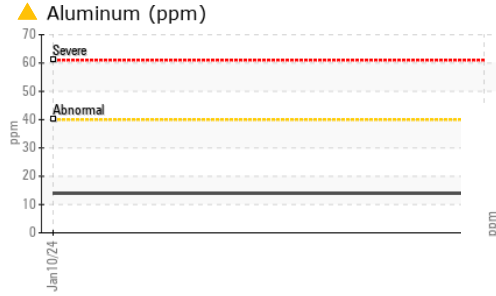
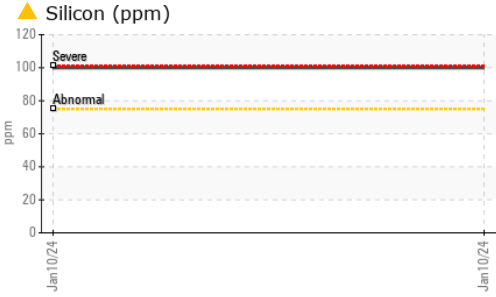
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	<b>▲ 100</b>	---	---
Sodium	ppm ASTM D5185m >51	<b>&lt;1</b>	---	---
Potassium	ppm ASTM D5185m >20	<b>&lt;1</b>	---	---

## VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	<b>NONE</b>	---	---
Yellow Metal	scalar *Visual NONE	<b>NONE</b>	---	---
Precipitate	scalar *Visual NONE	<b>NONE</b>	---	---
Silt	scalar *Visual NONE	<b>MODER</b>	---	---
Debris	scalar *Visual NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar *Visual NONE	<b>NONE</b>	---	---
Appearance	scalar *Visual NORML	<b>NORML</b>	---	---
Odor	scalar *Visual NORML	<b>NORML</b>	---	---
Emulsified Water	scalar *Visual >0.075	<b>NEG</b>	---	---
Free Water	scalar *Visual	<b>NEG</b>	---	---

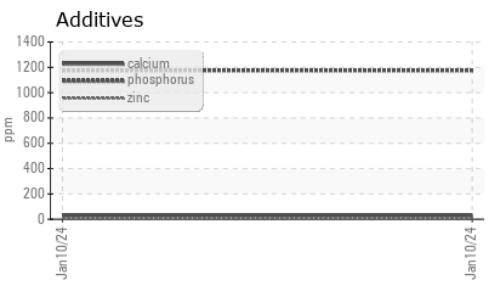
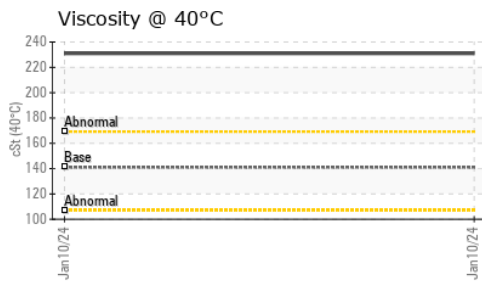
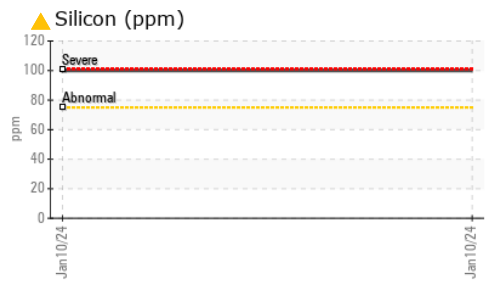
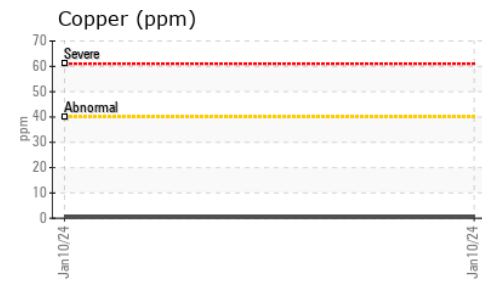
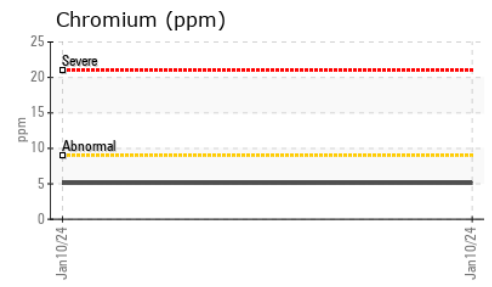
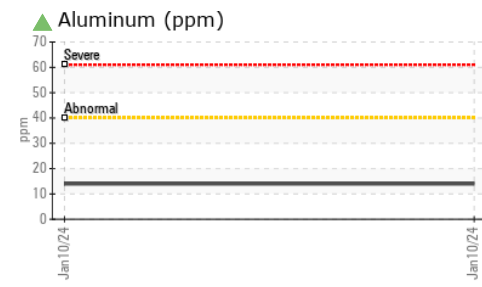
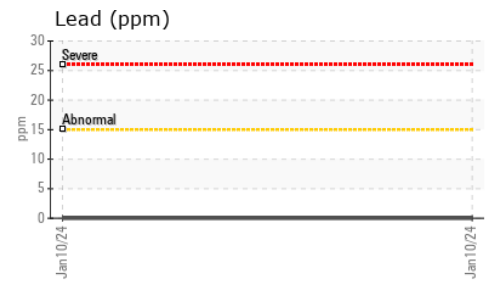
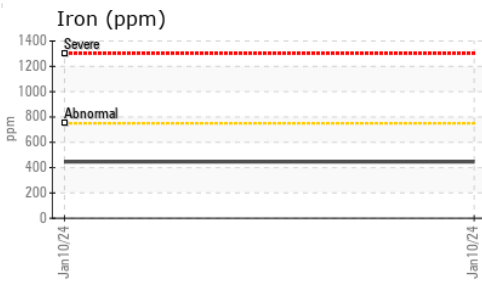
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	141.0	<b>231</b>	---	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0056867 **Recieved** : 25 Jan 2024  
**Lab Number** : **06070777** **Diagnosed** : 28 Jan 2024  
**Unique Number** : 10847454 **Diagnostician** : Don Baldrige  
**Test Package** : MOB 1

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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)