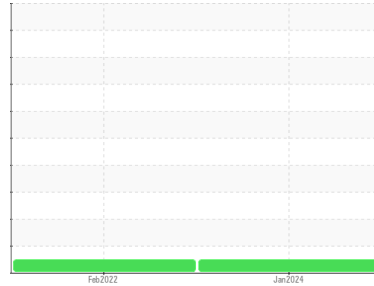


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**JOHN DEERE 350G 20-87 (S/N 1FF350GXVMF900460)**

Component  
**Diesel Engine**

Fluid  
**PETRO CANADA DURON XL SYN BLEND 15W40 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### 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 acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0056876</b>	PCA0056938	---
Sample Date	Client Info		<b>10 Jan 2024</b>	28 Feb 2022	---
Machine Age	hrs	Client Info	<b>3377</b>	558	---
Oil Age	hrs	Client Info	<b>902</b>	558	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>2.1	<b>&lt;1.0</b>	<1.0	---
Water	WC Method	>0.21	<b>NEG</b>	NEG	---
Glycol	WC Method		<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >51	<b>57</b>	54	---
Chromium	ppm	ASTM D5185m >11	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	---
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >31	<b>2</b>	4	---
Lead	ppm	ASTM D5185m >26	<b>&lt;1</b>	1	---
Copper	ppm	ASTM D5185m >26	<b>8</b>	48	---
Tin	ppm	ASTM D5185m >4	<b>&lt;1</b>	<1	---
Antimony	ppm	ASTM D5185m	<b>---</b>	0	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 1	<b>9</b>	129	---
Barium	ppm	ASTM D5185m 1	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m 60	<b>52</b>	249	---
Manganese	ppm	ASTM D5185m 1	<b>&lt;1</b>	1	---
Magnesium	ppm	ASTM D5185m 1010	<b>725</b>	810	---
Calcium	ppm	ASTM D5185m 1070	<b>1223</b>	1594	---
Phosphorus	ppm	ASTM D5185m 1150	<b>909</b>	920	---
Zinc	ppm	ASTM D5185m 1270	<b>1111</b>	1172	---
Sulfur	ppm	ASTM D5185m 2060	<b>2545</b>	2740	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >22	<b>4</b>	7	---
Sodium	ppm	ASTM D5185m >31	<b>0</b>	2	---
Potassium	ppm	ASTM D5185m >20	<b>0</b>	5	---

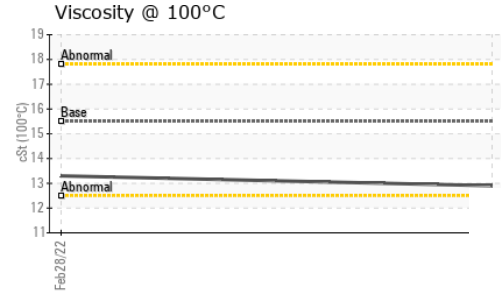
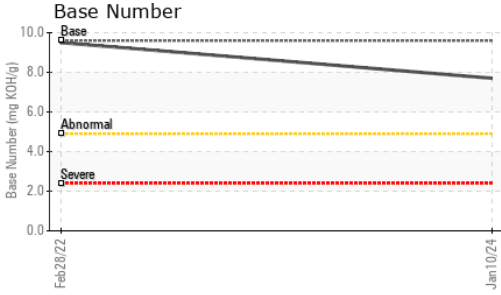
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.9</b>	0.6	---
Nitration	Abs/cm	*ASTM D7624 >20	<b>8.8</b>	10.4	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>20.0</b>	25.2	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>14.6</b>	20.0	---
Base Number (BN)	mg KOH/g	ASTM D2896 9.6	<b>7.7</b>	9.5	---

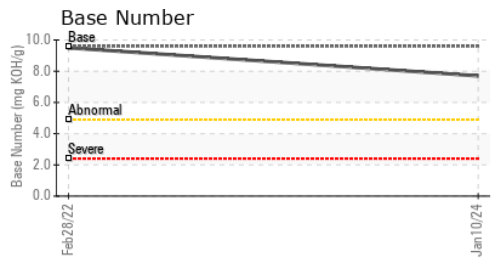
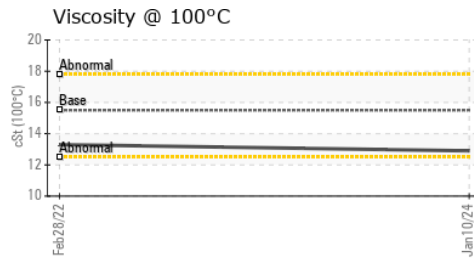
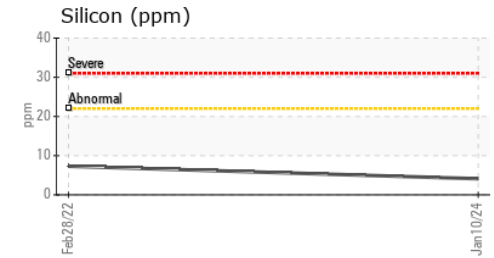
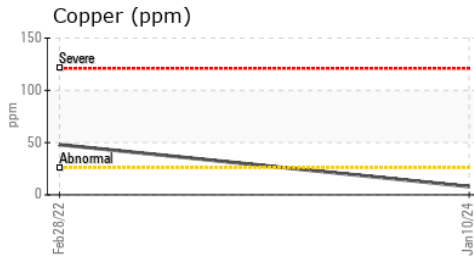
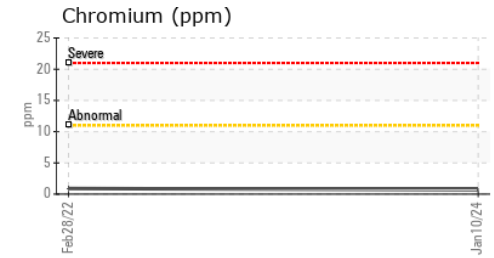
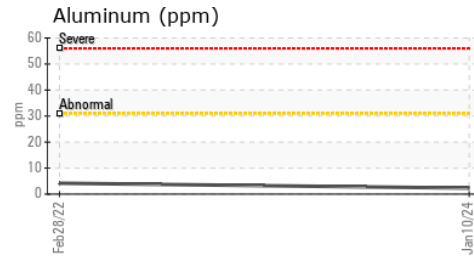
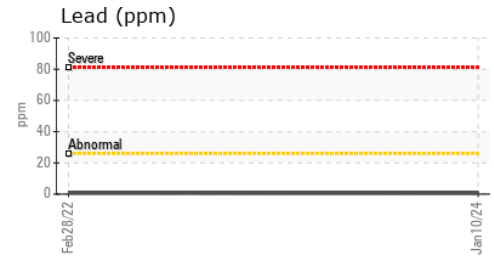
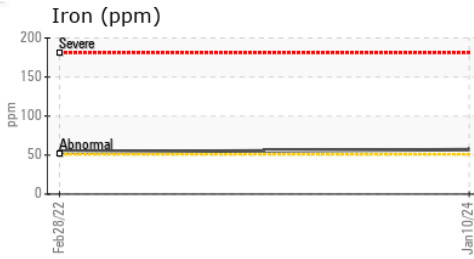
# OIL ANALYSIS REPORT



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	NONE	---
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	>0.21	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.5	12.9	13.3

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0056876 **Received** : 25 Jan 2024  
**Lab Number** : 06070228 **Diagnosed** : 26 Jan 2024  
**Unique Number** : 10846905 **Diagnostician** : Don Baldrige  
**Test Package** : MOB 1 ( Additional Tests: TBN )

**JOHNSON DAVIS CONTRACTORS**  
 604 HILBRATH DR  
 LANTANA, FL  
 US 33462  
 Contact: GENE GARDNER  
 ggardner@johnsondavis.com  
 T: (561)588-1170  
 F:

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)