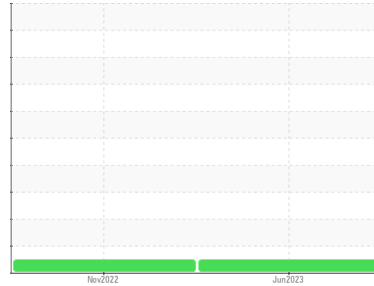


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**JOHN DEERE 7730R 1RW7730RTAR032862**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON HP 15W40 (--- QTS)**

## 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 suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history 1	history 2
Sample Number	Client Info		<b>PCA0081083</b>	PCA0053902	---
Sample Date	Client Info		<b>26 Jun 2023</b>	08 Nov 2022	---
Machine Age	hrs	Client Info	<b>9264</b>	8998	---
Oil Age	hrs	Client Info	<b>266</b>	248	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

	method	limit/base	current	history 1	history 2
Fuel	WC Method	>2.1	<b>&lt;1.0</b>	<1.0	---
Glycol	WC Method		<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history 1	history 2	
Iron	ppm	ASTM D5185m	>51	<b>15</b>	9	---
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	2	---
Aluminum	ppm	ASTM D5185m	>31	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185m	>26	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m	>26	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185m	>4	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history 1	history 2	
Boron	ppm	ASTM D5185m		<b>5</b>	20	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>61</b>	73	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>929</b>	891	---
Calcium	ppm	ASTM D5185m		<b>1095</b>	1148	---
Phosphorus	ppm	ASTM D5185m		<b>1015</b>	990	---
Zinc	ppm	ASTM D5185m		<b>1201</b>	1191	---
Sulfur	ppm	ASTM D5185m		<b>3011</b>	3476	---

## CONTAMINANTS

	method	limit/base	current	history 1	history 2	
Silicon	ppm	ASTM D5185m	>22	<b>3</b>	2	---
Sodium	ppm	ASTM D5185m	>31	<b>0</b>	0	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	2	---

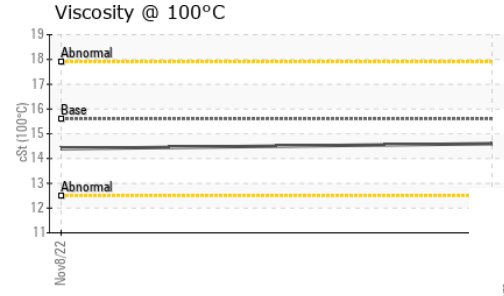
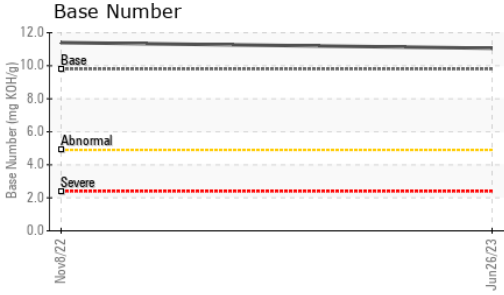
## INFRA-RED

	method	limit/base	current	history 1	history 2	
Soot %	%	*ASTM D7844	>3	<b>0.2</b>	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>5.8</b>	6.1	---
Sulfation	Abs.1mm	*ASTM D7415	>30	<b>18.8</b>	19.4	---

## FLUID DEGRADATION

	method	limit/base	current	history 1	history 2	
Oxidation	Abs.1mm	*ASTM D7414	>25	<b>15.1</b>	14.7	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	<b>11.06</b>	11.4	---

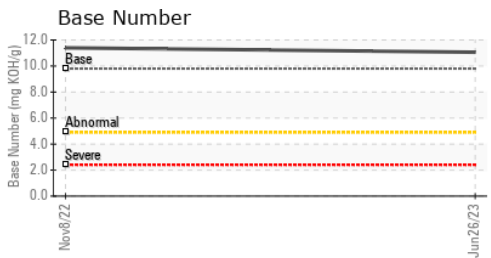
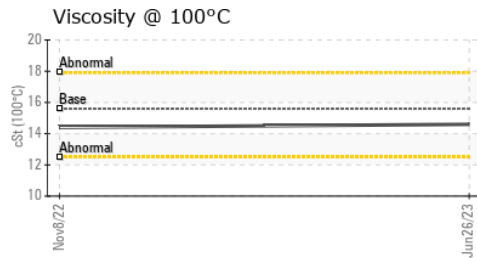
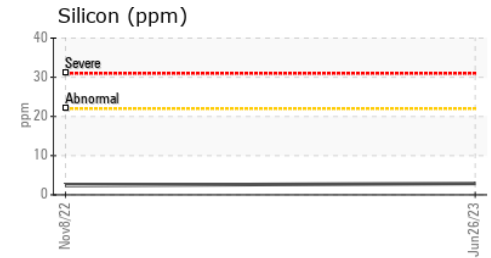
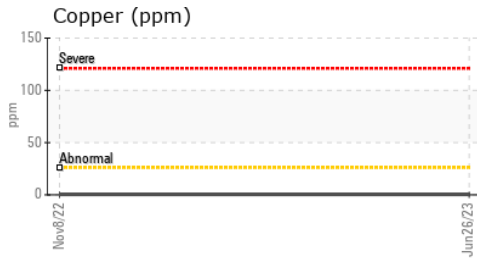
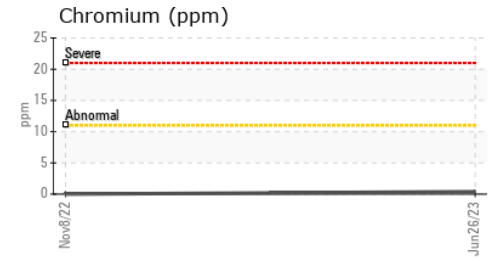
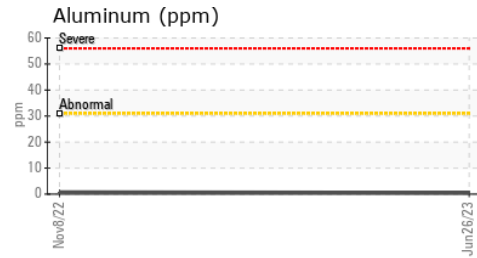
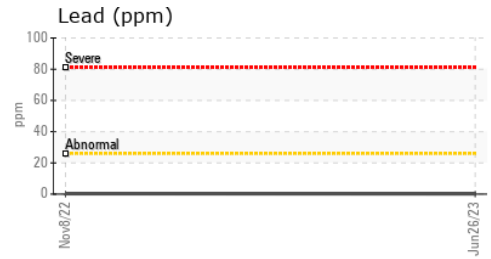
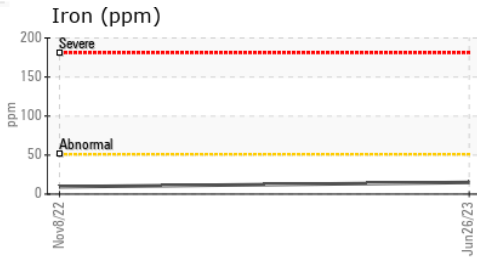
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history 1	history 2
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	history 1	history 2	
Visc @ 100°C	cSt	ASTM D445	15.6	14.6	14.4	---

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0081083    **Received** : 05 Jul 2023  
**Lab Number** : 05890402    **Diagnosed** : 06 Jul 2023  
**Unique Number** : 10546212    **Diagnostician** : Wes Davis  
**Test Package** : MOB 2

**VEENSTRA FARMING**  
 15861 SEXTON RD  
 ESCALON, CA  
 US 95320  
 Contact: DEREK VEENSTRA  
 KEREKVEENSTRA@AOL.COM

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)

T:  
F: