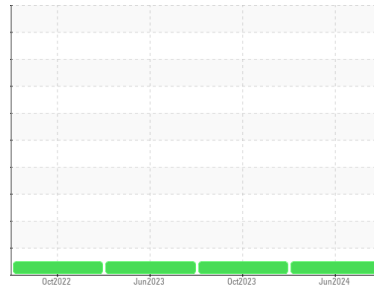


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**JOHN DEERE 7730R 1RW7730RKAR029320**  
 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	history1	history2
Sample Number	Client Info		<b>PCA0096454</b>	PCA0096451	PCA0081025
Sample Date	Client Info		<b>04 Jun 2024</b>	31 Oct 2023	22 Jun 2023
Machine Age	hrs	Client Info	<b>9566</b>	9320	9036
Oil Age	hrs	Client Info	<b>246</b>	284	277
Oil Changed	Client Info		<b>Changed</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

### CONTAMINATION

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

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >51	<b>11</b>	6	12
Chromium	ppm	ASTM D5185m >11	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m >5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >31	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185m >26	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m >26	<b>0</b>	0	<1
Tin	ppm	ASTM D5185m >4	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	<1

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	3	8
Barium	ppm	ASTM D5185m	<b>0</b>	2	0
Molybdenum	ppm	ASTM D5185m	<b>61</b>	56	60
Manganese	ppm	ASTM D5185m	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	<b>1083</b>	872	911
Calcium	ppm	ASTM D5185m	<b>1272</b>	932	1073
Phosphorus	ppm	ASTM D5185m	<b>1119</b>	1021	999
Zinc	ppm	ASTM D5185m	<b>1384</b>	1207	1179
Sulfur	ppm	ASTM D5185m	<b>3946</b>	2902	3053

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >22	<b>3</b>	2	3
Sodium	ppm	ASTM D5185m >31	<b>&lt;1</b>	<1	0
Potassium	ppm	ASTM D5185m >20	<b>0</b>	<1	1

### INFRA-RED

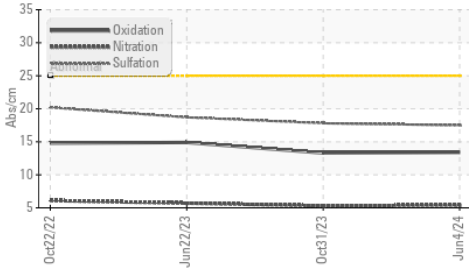
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.2</b>	0.2	0.3
Nitration	Abs/cm	*ASTM D7624 >20	<b>5.4</b>	5.3	5.7
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>17.5</b>	17.8	18.7

### FLUID DEGRADATION

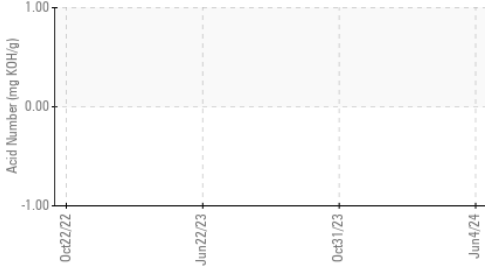
	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>13.4</b>	13.3	14.9
Base Number (BN)	mg KOH/g	ASTM D2896 9.8	<b>9.88</b>	9.89	10.99

# OIL ANALYSIS REPORT

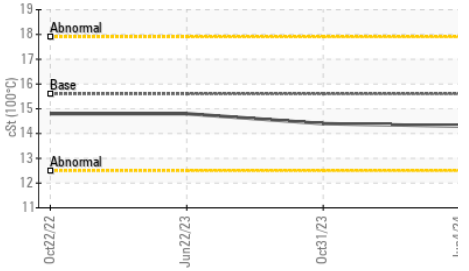
**FT-IR (Direct Trend)**



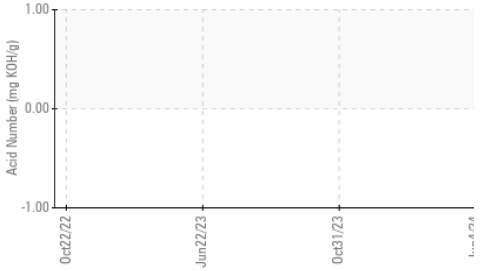
**Acid Number**



**Viscosity @ 100°C**



**Acid Number**

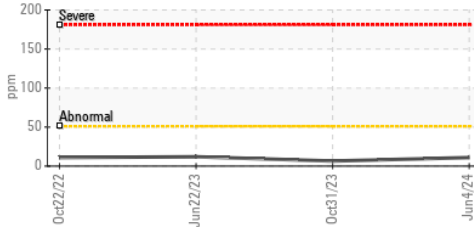


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.21	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

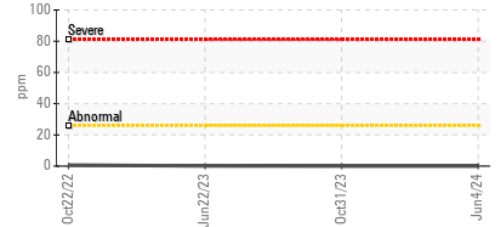
FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	15.6	<b>14.3</b>	14.4	14.8

## GRAPHS

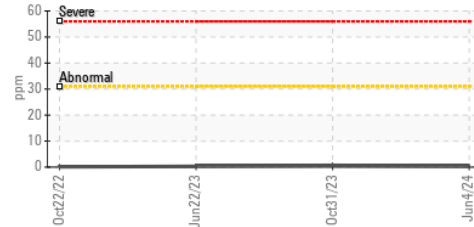
**Iron (ppm)**



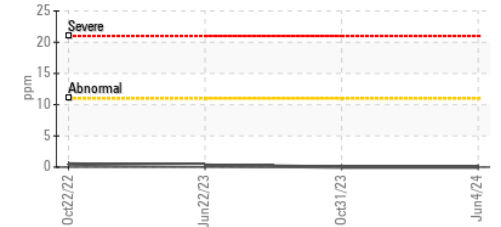
**Lead (ppm)**



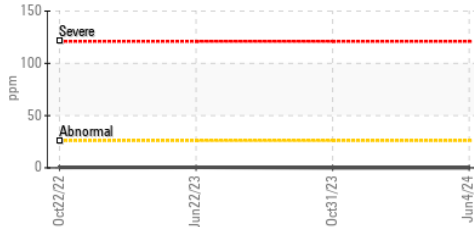
**Aluminum (ppm)**



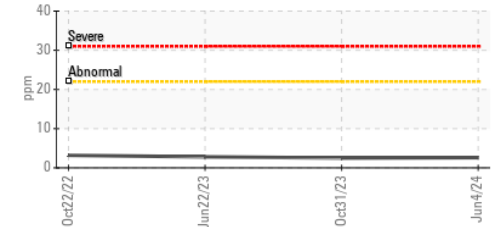
**Chromium (ppm)**



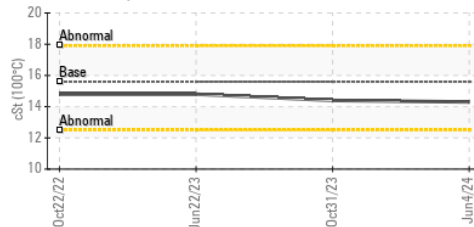
**Copper (ppm)**



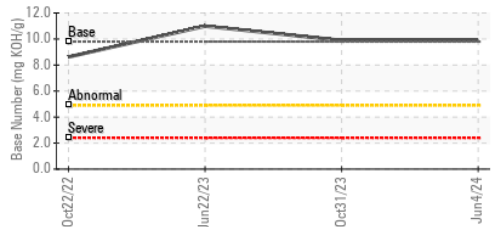
**Silicon (ppm)**



**Viscosity @ 100°C**



**Base Number**



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0096454      **Received** : 18 Jun 2024  
**Lab Number** : **06213669**      **Tested** : 20 Jun 2024  
**Unique Number** : 11086533      **Diagnosed** : 20 Jun 2024 - Sean Felton  
**Test Package** : MOB 2 ( Additional Tests: TAN Man )

**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: