

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
JOHN DEERE 5125R 1LV5125RKMM451153
 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	PCA0081056	---	---
Sample Date	Client Info	30 May 2024	---	---
Machine Age	hrs Client Info	1009	---	---
Oil Age	hrs Client Info	253	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		NORMAL	---	---

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >51	11	---	---
Chromium	ppm ASTM D5185m >11	0	---	---
Nickel	ppm ASTM D5185m >5	0	---	---
Titanium	ppm ASTM D5185m	0	---	---
Silver	ppm ASTM D5185m >3	0	---	---
Aluminum	ppm ASTM D5185m >31	2	---	---
Lead	ppm ASTM D5185m >26	0	---	---
Copper	ppm ASTM D5185m >26	2	---	---
Tin	ppm ASTM D5185m >4	0	---	---
Vanadium	ppm ASTM D5185m	0	---	---
Cadmium	ppm ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<1	---	---
Barium	ppm ASTM D5185m	0	---	---
Molybdenum	ppm ASTM D5185m	61	---	---
Manganese	ppm ASTM D5185m	<1	---	---
Magnesium	ppm ASTM D5185m	1072	---	---
Calcium	ppm ASTM D5185m	1221	---	---
Phosphorus	ppm ASTM D5185m	1090	---	---
Zinc	ppm ASTM D5185m	1353	---	---
Sulfur	ppm ASTM D5185m	3778	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >22	3	---	---
Sodium	ppm ASTM D5185m >31	1	---	---
Potassium	ppm ASTM D5185m >20	0	---	---

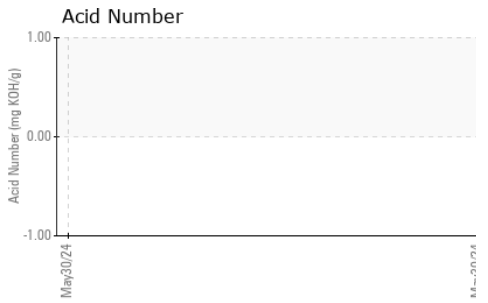
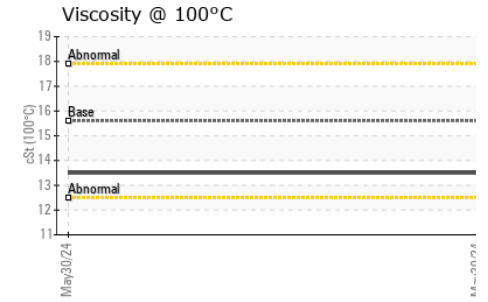
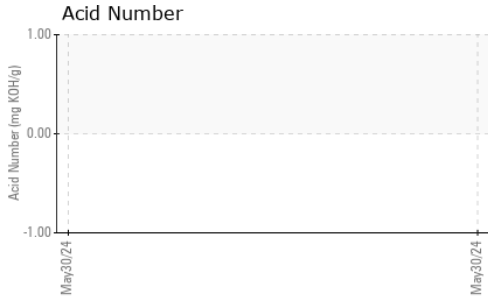
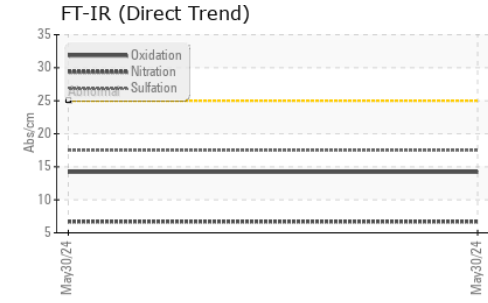
INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	0.1	---	---
Nitration	Abs/cm *ASTM D7624 >20	6.7	---	---
Sulfation	Abs/.1mm *ASTM D7415 >30	17.5	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	14.2	---	---
Base Number (BN)	mg KOH/g ASTM D2896 9.8	10.50	---	---

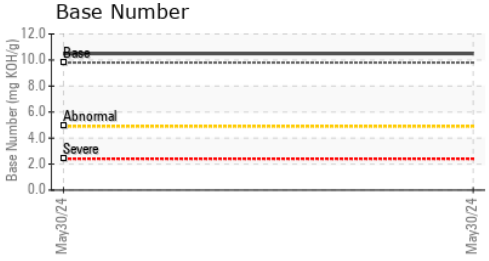
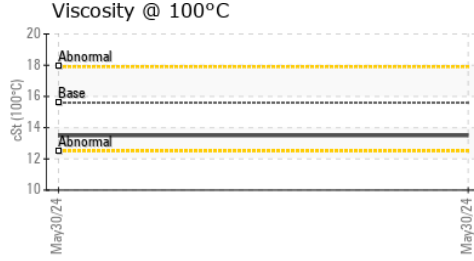
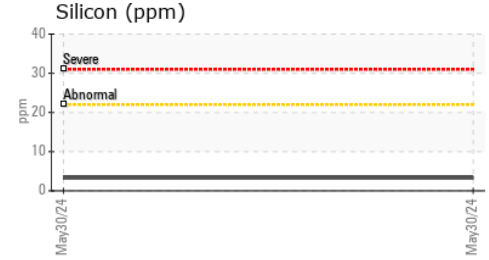
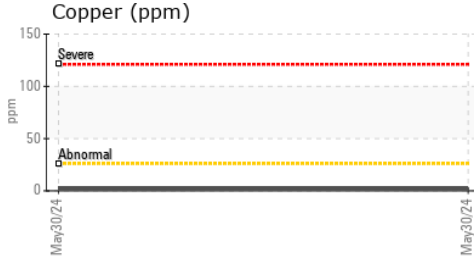
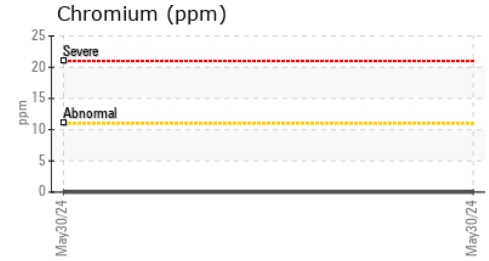
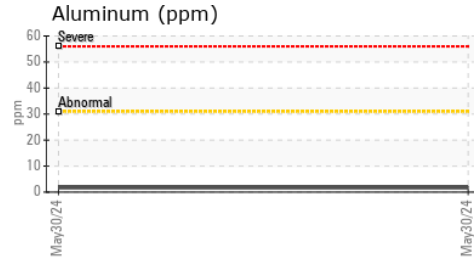
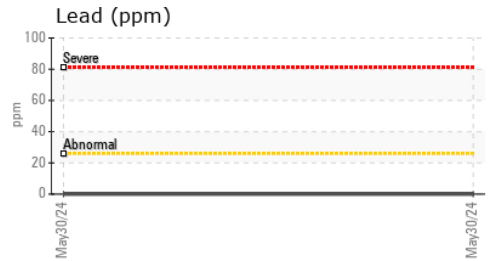
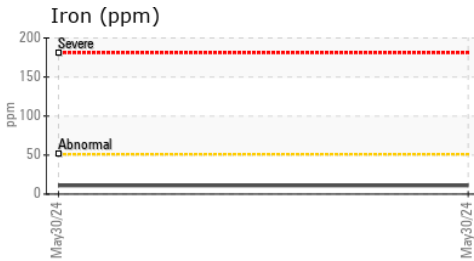
OIL ANALYSIS REPORT



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	15.6	13.5	---

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0081056 **Received** : 18 Jun 2024
Lab Number : 06213670 **Tested** : 20 Jun 2024
Unique Number : 11086534 **Diagnosed** : 20 Jun 2024 - Sean Felton
Test Package : MOB 2 (Additional Tests: TAN Man)

VEENSTRA FARMING
 15861 SEXTON RD
 ESCALON, CA
 US 95320

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: DEREK VEENSTRA
 KEREKVEENSTRA@AOL.COM

* - 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)

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F: