



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE D/G #2 (S/N CD4045CO13008)

Component
2 Diesel Engine

Fluid
DIESEL ENGINE OIL SAE 15W40 (13 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0693933	WC0693929	---
Sample Date		Client Info		02 Jul 2022	22 Jun 2022	---
Machine Age	hrs	Client Info		17888	17394	---
Oil Age	hrs	Client Info		500	500	---
Filter Age	hrs	Client Info		500	500	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>51	10	8	---
Chromium	ppm	ASTM D5185(m)	>11	0	0	---
Nickel	ppm	ASTM D5185(m)	>5	0	<1	---
Titanium	ppm	ASTM D5185(m)		<1	<1	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>31	2	1	---
Lead	ppm	ASTM D5185(m)	>26	0	0	---
Copper	ppm	ASTM D5185(m)	>26	<1	<1	---
Tin	ppm	ASTM D5185(m)	>4	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

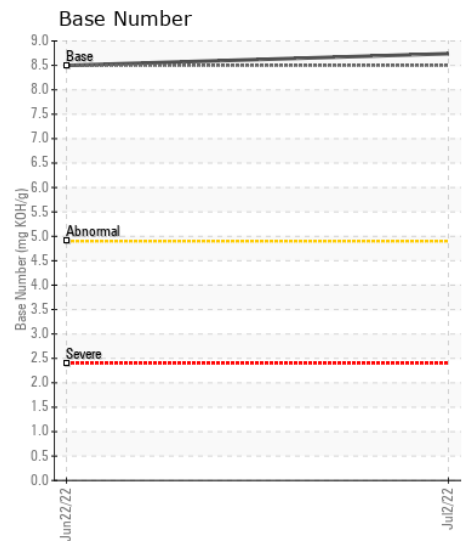
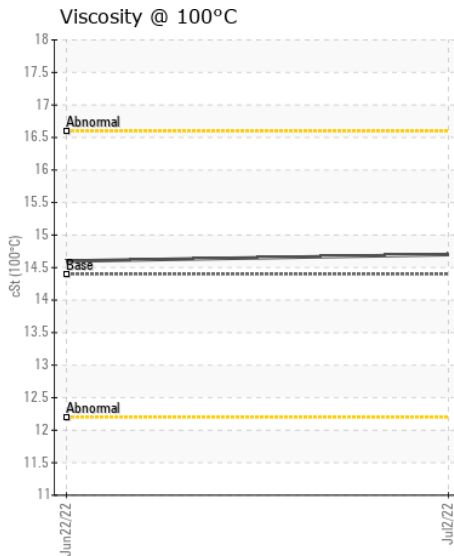
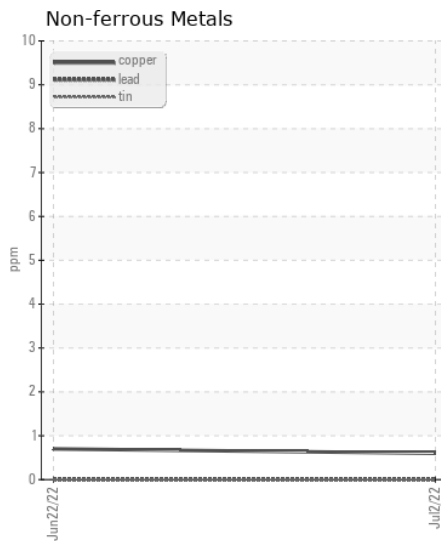
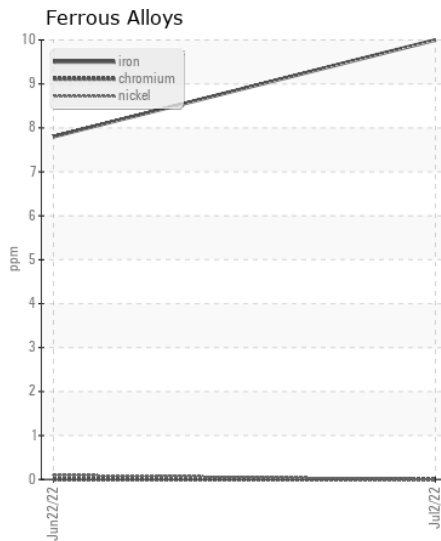
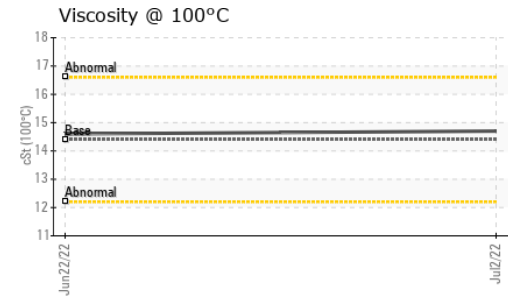
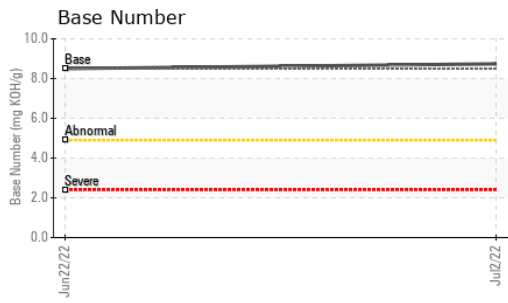
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>22	3	3	---
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	---
Fuel		WC Method	>2.1	<1.0	<1.0	---
Water		WC Method	>0.21	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	8.8	7.7	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.2	20.4	---
Emulsified Water	scalar	Visual*	>0.21	NEG	NEG	---

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.

Sodium	ppm	ASTM D5185(m)	>158	3	2	---
Boron	ppm	ASTM D5185(m)	250	82	99	---
Barium	ppm	ASTM D5185(m)	10	0	0	---
Molybdenum	ppm	ASTM D5185(m)	100	65	64	---
Manganese	ppm	ASTM D5185(m)		<1	<1	---
Magnesium	ppm	ASTM D5185(m)	450	504	416	---
Calcium	ppm	ASTM D5185(m)	3000	1840	1888	---
Phosphorus	ppm	ASTM D5185(m)	1150	1160	1059	---
Zinc	ppm	ASTM D5185(m)	1350	1301	1275	---
Sulfur	ppm	ASTM D5185(m)	4250	3296	3282	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.2	17.2	---
Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	8.74	8.50	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	14.7	14.6	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CANSHIP UGLAND - CRT EXPRESS**
Sample No. : WC0693933 **Received** : 22 Sep 2022 1315 TOPSAIL ROAD, PO BOX 8040 STN A
Lab Number : 02512289 **Diagnosed** : 22 Sep 2022 ST JOHNS, NL
Unique Number : 5461264 **Diagnostician** : Kevin Marson CA A1B 3M7
Test Package : MAR 2

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

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