LESLIE EQUIPMENT CO.

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 4 - Fairmont
Machine Id
JOHN DEERE 350G 1FF350GXAKF814122
Component
Diesel Engine
Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (7 GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal.

CONTAMINATION

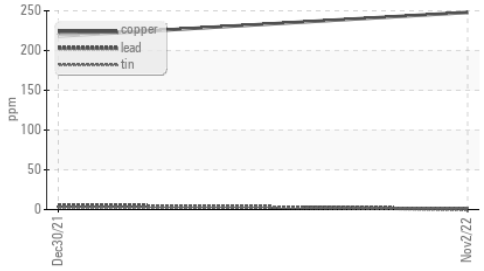
There is no indication of any contamination in the oil.

FLUID CONDITION

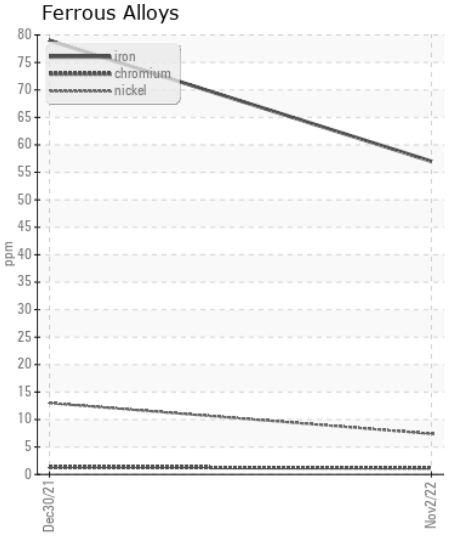
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0034290	LEC0026913	---
Sample Date		Client Info		02 Nov 2022	30 Dec 2021	---
Machine Age	hrs	Client Info		929	437	---
Oil Age	hrs	Client Info		492	437	---
Filter Age	hrs	Client Info		492	437	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>51	57	79	---
Chromium	ppm	ASTM D5185m	>11	1	1	---
Nickel	ppm	ASTM D5185m	>5	7	13	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>31	4	3	---
Lead	ppm	ASTM D5185m	>26	<1	6	---
Copper	ppm	ASTM D5185m	>26	▲ 248	▲ 218	---
Tin	ppm	ASTM D5185m	>4	2	3	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>!20	7	10	---
Potassium	ppm	ASTM D5185m	>20	4	12	---
Fuel	%	ASTM D3524	>2.1	<1.0	0.0	---
Water		WC Method	>0.21	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.4	0.4	---
Nitration	Abs/cm	*ASTM D7624	>20	9.7	9	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.1	24.6	---
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	---
Sodium	ppm	ASTM D5185m	>31	2	7	---
Boron	ppm	ASTM D5185m		198	202	---
Barium	ppm	ASTM D5185m		0	1	---
Molybdenum	ppm	ASTM D5185m		247	211	---
Manganese	ppm	ASTM D5185m		2	3	---
Magnesium	ppm	ASTM D5185m		823	740	---
Calcium	ppm	ASTM D5185m		1578	1488	---
Phosphorus	ppm	ASTM D5185m		879	882	---
Zinc	ppm	ASTM D5185m		1045	971	---
Sulfur	ppm	ASTM D5185m		3610	2642	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.7	20.2	---
Base Number (BN)	mg KOH/g	ASTM D2896	13.6	9.7	8.8	---
Visc @ 100°C	cSt	ASTM D445	15.4	13.0	10.8	---

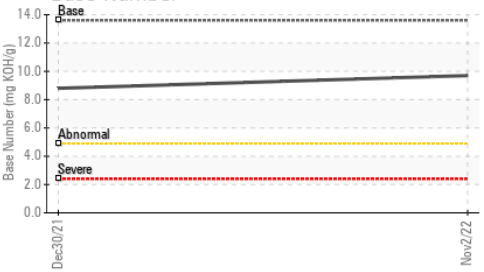
Non-ferrous Metals



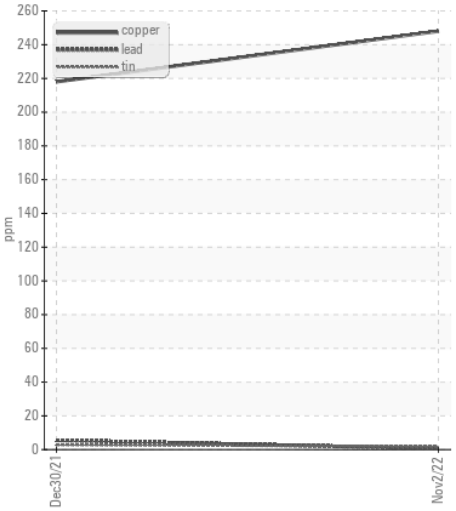
Ferrous Alloys



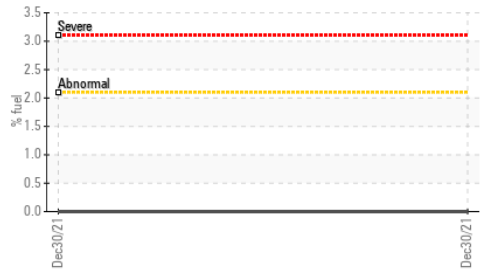
Base Number



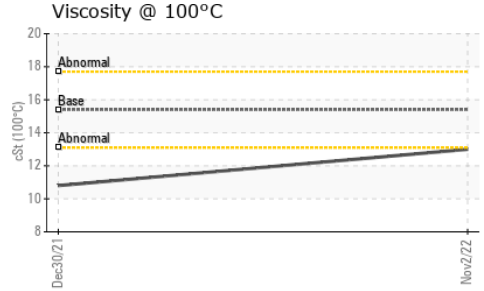
Non-ferrous Metals



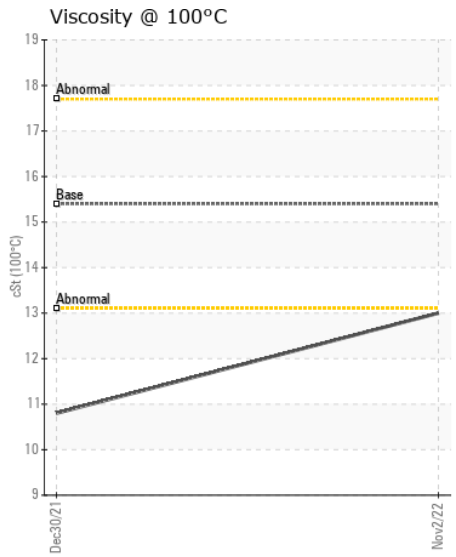
Fuel Dilution



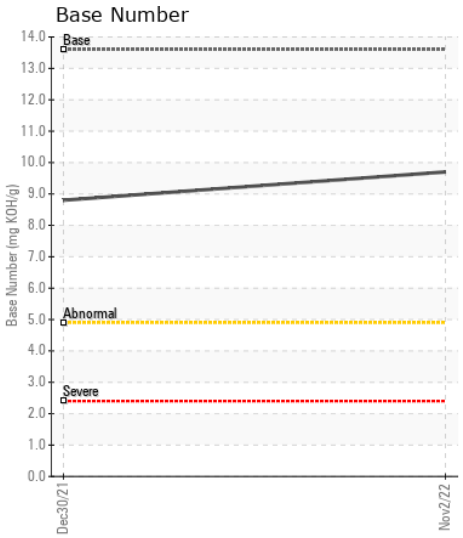
Viscosity @ 100°C



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0034290 **Received** : 03 Nov 2022
Lab Number : 05684274 **Tested** : 07 Nov 2022
Unique Number : 10203846 **Diagnosed** : 07 Nov 2022 - Don Baldridge
Test Package : CONST (Additional Tests: FuelDilution, PercentFuel, TBN)

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)

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