MOB

LESLIE EQUIPMENT CO.

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 9 - Marietta
Machine Id
JOHN DEERE 350G 74344 (S/N 1FF350GXLJF812340)
Component
Diesel Engine
Fluid
{not provided} (--- GAL)

RECOMMENDATION

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

WEAR

Cylinder, crank, or cam shaft wear is indicated. Bearing and/or bushing wear is indicated. Valve wear is indicated.

CONTAMINATION

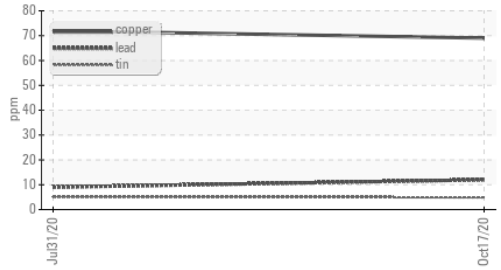
Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil.

FLUID CONDITION

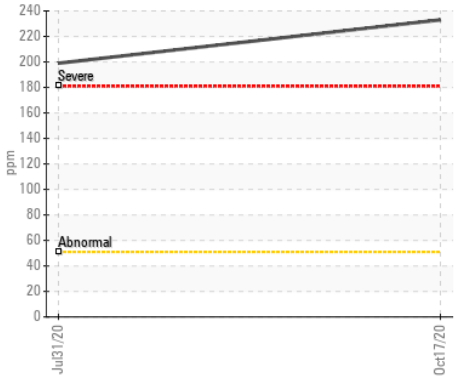
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0011984	LEC0011799	---
Sample Date		Client Info		17 Oct 2020	31 Jul 2020	---
Machine Age	hrs	Client Info		2205	1838	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>51	▲ 233	▲ 199	---
Chromium	ppm	ASTM D5185m	>11	3	3	---
Nickel	ppm	ASTM D5185m	>5	▲ 12	▲ 13	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>31	3	9	---
Lead	ppm	ASTM D5185m	>26	12	9	---
Copper	ppm	ASTM D5185m	>26	▲ 69	▲ 72	---
Tin	ppm	ASTM D5185m	>4	▲ 5	▲ 5	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>22	9	7	---
Potassium	ppm	ASTM D5185m	>20	18	18	---
Fuel	%	ASTM D3524	>2.1	0.2	0.2	---
Water		WC Method	>0.21	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.9	0.9	---
Nitration	Abs/cm	*ASTM D7624	>20	12.3	12.5	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	30.9	30.3	---
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	12	11	---
Boron	ppm	ASTM D5185m		18	11	---
Barium	ppm	ASTM D5185m		<1	<1	---
Molybdenum	ppm	ASTM D5185m		175	192	---
Manganese	ppm	ASTM D5185m		3	3	---
Magnesium	ppm	ASTM D5185m		619	685	---
Calcium	ppm	ASTM D5185m		1806	1846	---
Phosphorus	ppm	ASTM D5185m		892	819	---
Zinc	ppm	ASTM D5185m		1115	959	---
Sulfur	ppm	ASTM D5185m		2553	3606	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	27.3	26.3	---
Base Number (BN)	mg KOH/g	ASTM D2896		7.8	6.6	---
Visc @ 100°C	cSt	ASTM D445		11.9	11.5	---

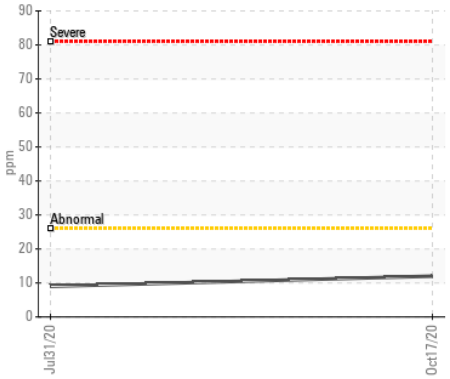
Non-ferrous Metals



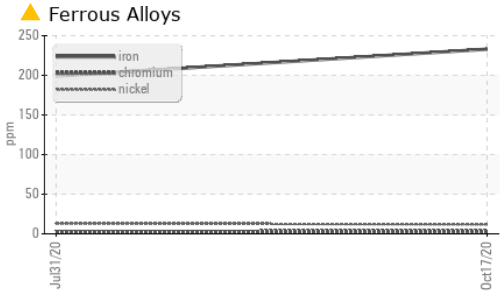
Iron (ppm)



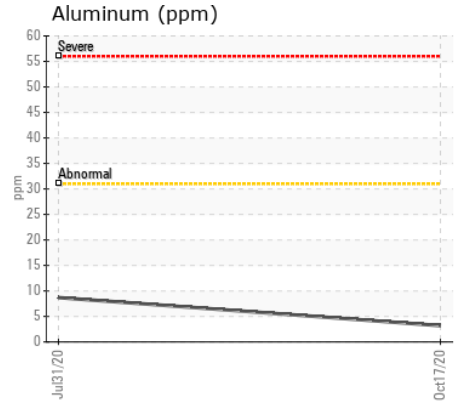
Lead (ppm)



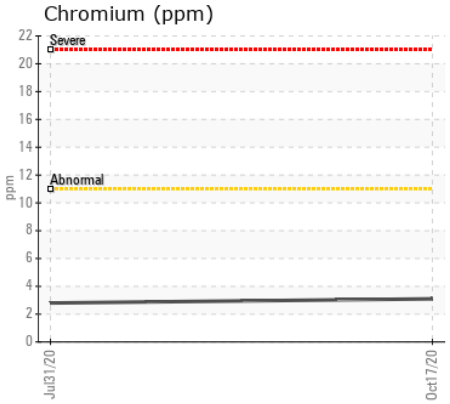
Ferrous Alloys



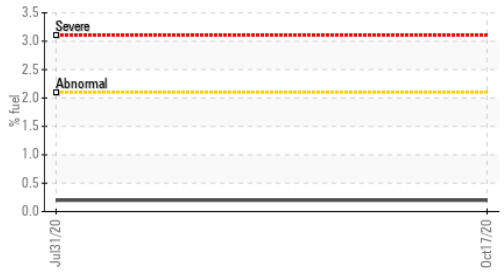
Aluminum (ppm)



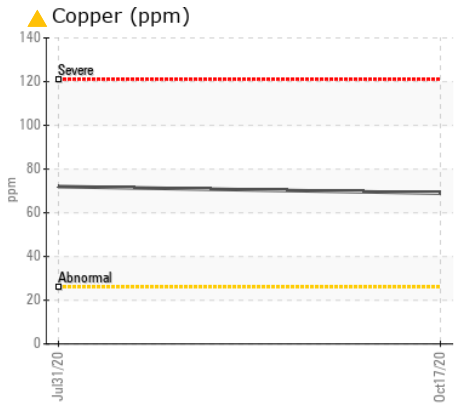
Chromium (ppm)



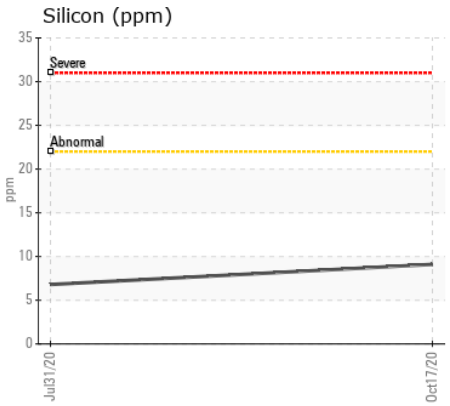
Fuel Dilution



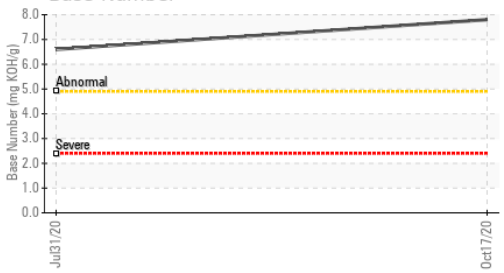
Copper (ppm)



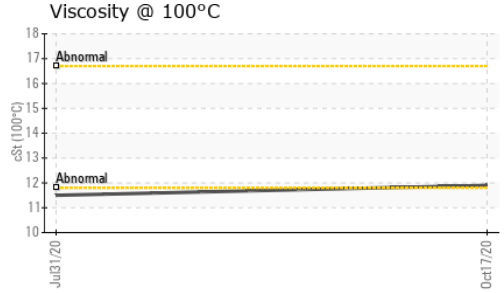
Silicon (ppm)



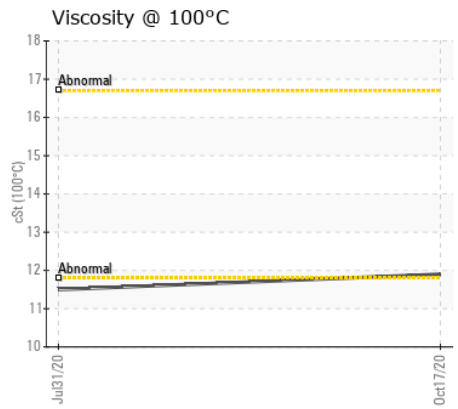
Base Number



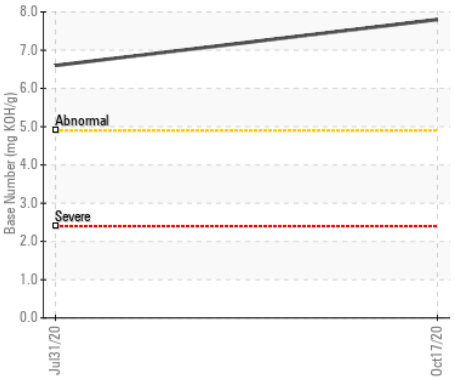
Viscosity @ 100°C



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0011984 **Recieved** : 23 Oct 2020
Lab Number : 05098101 **Diagnosed** : 29 Oct 2020
Unique Number : 9228355 **Diagnostician** : Jonathan Hester
Test Package : MOBCE (Additional Tests: FuelDilution, PercentFuel, PQ, 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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