CONST

LESLIE EQUIPMENT CO.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 4 - Fairmont [RO#151193]
Machine Id
JOHN DEERE 75G 1FF075GXJNJ018168
Component
Diesel Engine
Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (3 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

Metal levels are typical for a new component breaking in.

CONTAMINATION

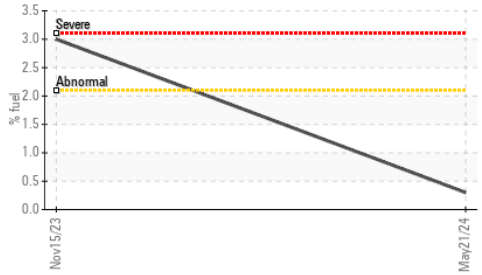
Fuel content negligible. There is no indication of any contamination in the oil.

FLUID CONDITION

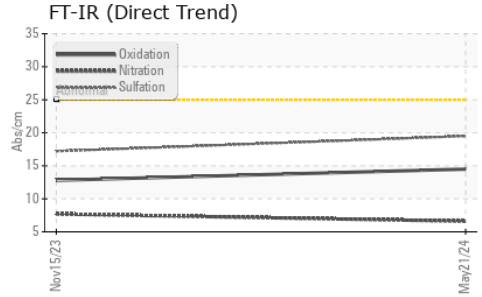
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0048746	LEC0044479	---
Sample Date		Client Info		21 May 2024	15 Nov 2023	---
Machine Age	hrs	Client Info		458	363	---
Oil Age	hrs	Client Info		95	363	---
Filter Age	hrs	Client Info		95	363	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		Not Changd	Changed	---
Sample Status				NORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>51	6	28	---
Chromium	ppm	ASTM D5185m	>11	<1	<1	---
Nickel	ppm	ASTM D5185m	>5	0	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>3	<1	0	---
Aluminum	ppm	ASTM D5185m	>31	4	5	---
Lead	ppm	ASTM D5185m	>26	<1	<1	---
Copper	ppm	ASTM D5185m	>26	<1	4	---
Tin	ppm	ASTM D5185m	>4	0	1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>!20	12	▲ 45	---
Potassium	ppm	ASTM D5185m	>20	23	191	---
Fuel	%	ASTM D3524	>2.1	0.3	▲ 3.0	---
Water		WC Method	>0.21	NEG	NEG	---
Glycol		WC Method		NEG	0.0	---
Soot %	%	*ASTM D7844	>3	0.1	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	6.6	7.7	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.5	17.2	---
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	9	---
Boron	ppm	ASTM D5185m		304	204	---
Barium	ppm	ASTM D5185m		0	4	---
Molybdenum	ppm	ASTM D5185m		235	170	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		777	20	---
Calcium	ppm	ASTM D5185m		1576	2288	---
Phosphorus	ppm	ASTM D5185m		949	652	---
Zinc	ppm	ASTM D5185m		1083	805	---
Sulfur	ppm	ASTM D5185m		3702	2412	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.5	12.8	---
Base Number (BN)	mg KOH/g	ASTM D2896	13.6	9.6	7.6	---
Visc @ 100°C	cSt	ASTM D445	15.4	13.9	▲ 10.2	---

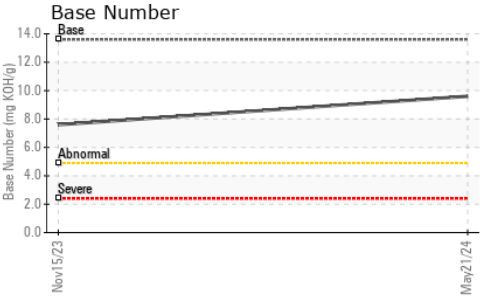
Fuel Dilution



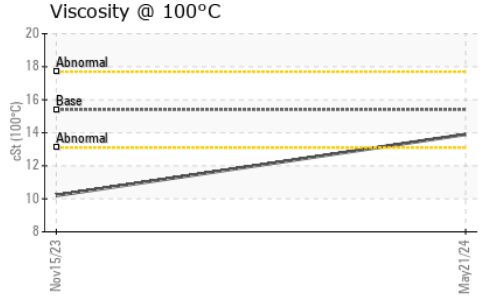
FT-IR (Direct Trend)



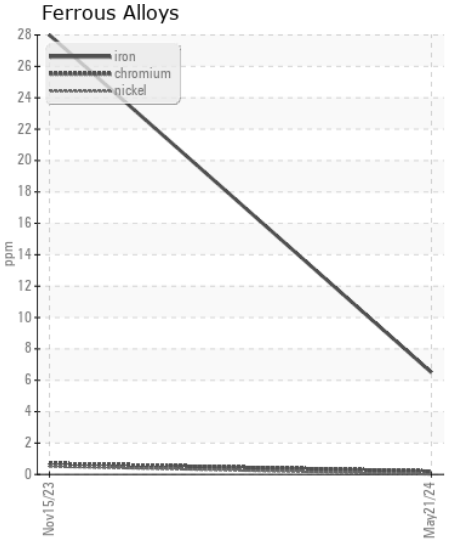
Base Number



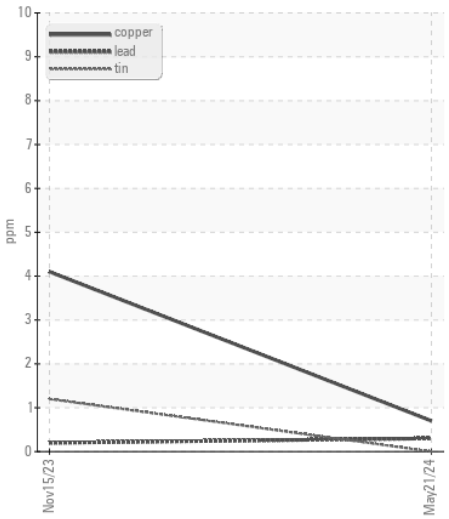
Viscosity @ 100°C



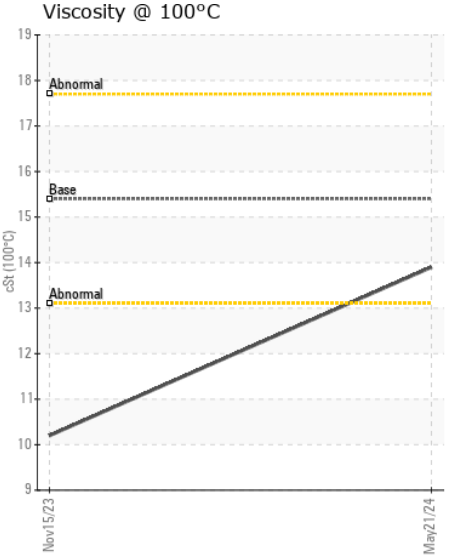
Ferrous Alloys



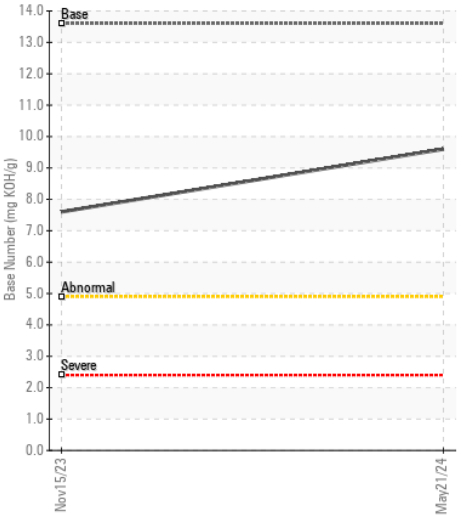
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0048746
Lab Number : 06191417
Unique Number : 11048169
Test Package : CONST (Additional Tests: PercentFuel, TBN)

Received : 24 May 2024
Tested : 30 May 2024
Diagnosed : 30 May 2024 - Wes Davis

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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