



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**Store 4 - Fairmont**

Machine Id  
**PRINOTH T12 935300157**

Component  
**Diesel Engine**

Fluid  
**JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (4 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0033107</b>	LEC0032217	LEC0018168
Sample Date		Client Info		<b>09 Jun 2022</b>	26 May 2022	06 Jan 2021
Machine Age	hrs	Client Info		<b>1774</b>	1762	1411
Oil Age	hrs	Client Info		<b>12</b>	351	1411
Filter Age	hrs	Client Info		<b>0</b>	351	1411
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Changed
Filter Changed		Client Info		<b>Not Changd</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	SEVERE	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>51</b>	▲ 154	13
Chromium	ppm	ASTM D5185m	>20	<b>4</b>	▲ 15	<1
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	1	0
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	<1	3
Aluminum	ppm	ASTM D5185m	>20	<b>17</b>	▲ 56	<1
Lead	ppm	ASTM D5185m	>40	<b>1</b>	<1	0
Copper	ppm	ASTM D5185m	>330	<b>4</b>	20	19
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

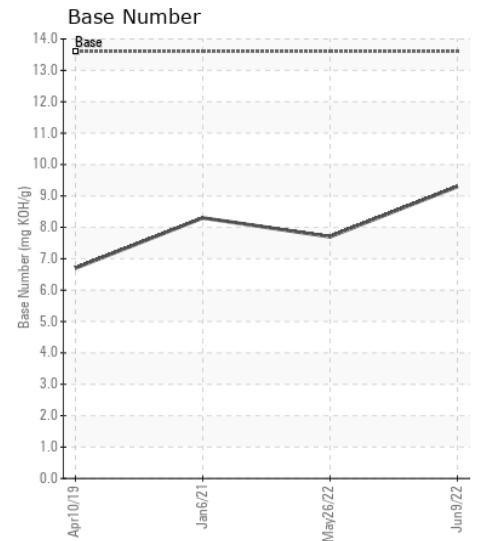
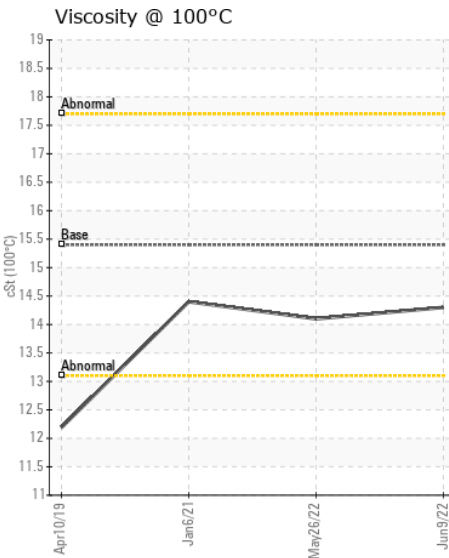
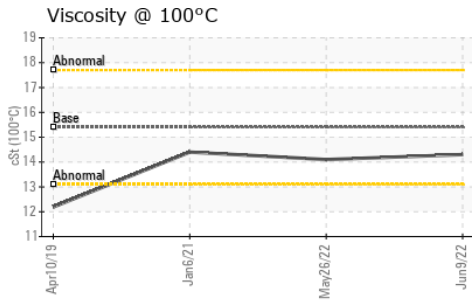
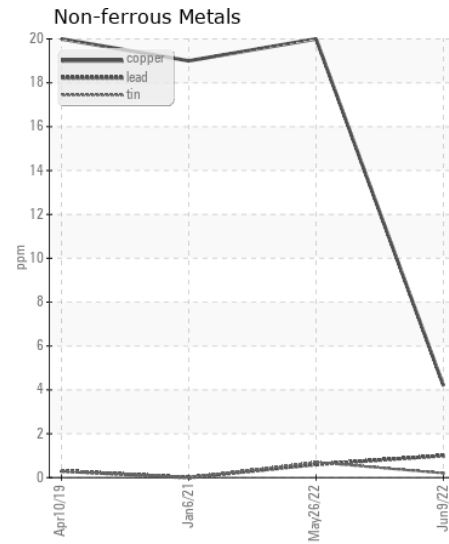
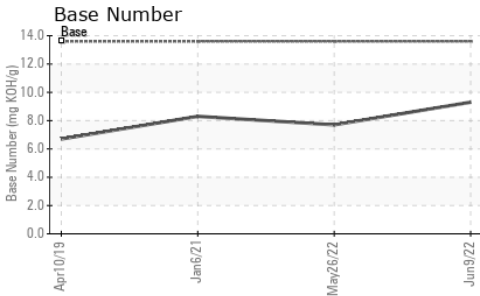
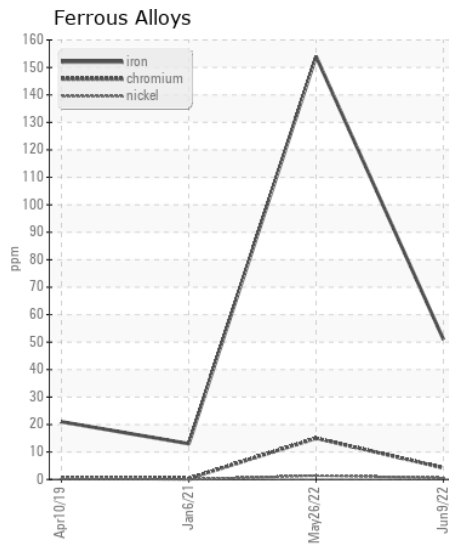
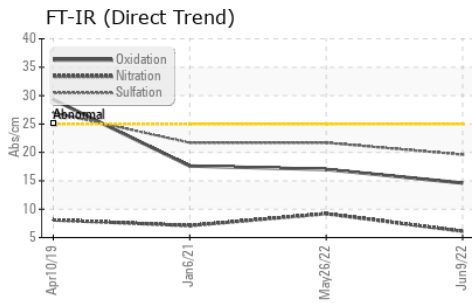
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>120	<b>16</b>	▲ 53	2
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	8	7
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.1</b>	0.2	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>6.1</b>	9.2	7.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.6</b>	21.7	21.7
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	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 D5185m		<b>1</b>	2	4
Boron	ppm	ASTM D5185m		<b>258</b>	189	170
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Molybdenum	ppm	ASTM D5185m		<b>185</b>	197	1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	<1
Magnesium	ppm	ASTM D5185m		<b>650</b>	638	20
Calcium	ppm	ASTM D5185m		<b>1577</b>	1596	2111
Phosphorus	ppm	ASTM D5185m		<b>915</b>	852	987
Zinc	ppm	ASTM D5185m		<b>1092</b>	1056	1125
Sulfur	ppm	ASTM D5185m		<b>3239</b>	2946	2960
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>14.6</b>	17.0	17.6
Base Number (BN)	mg KOH/g	ASTM D2896	13.6	<b>9.3</b>	7.7	8.3
Visc @ 100°C	cSt	ASTM D445	15.4	<b>14.3</b>	14.1	14.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0033107 **Received** : 10 Jun 2022  
**Lab Number** : 05566065 **Tested** : 13 Jun 2022  
**Unique Number** : 10010465 **Diagnosed** : 13 Jun 2022 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: TBN )

**LESLIE EQUIPMENT COMPANY**  
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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)