



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**Store 4 - Fairmont**

Machine Id  
**PRINOTH T12 935300140**

Component  
**Diesel Engine**

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

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0032219</b>	LEC0013712	LEC0000663
Sample Date		Client Info		<b>08 Jun 2022</b>	15 Jun 2021	19 Feb 2019
Machine Age	hrs	Client Info		<b>0</b>	1670	433
Oil Age	hrs	Client Info		<b>400</b>	1237	433
Filter Age	hrs	Client Info		<b>400</b>	1237	433
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>	NORMAL	ABNORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>35</b>	91	25
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	3	<1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>8</b>	13	6
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m	>330	<b>2</b>	43	▲ 290
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

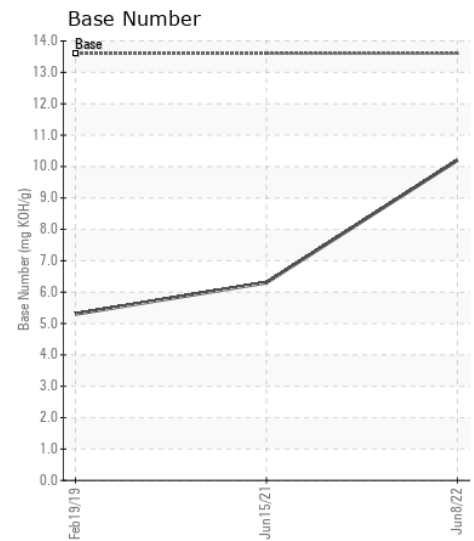
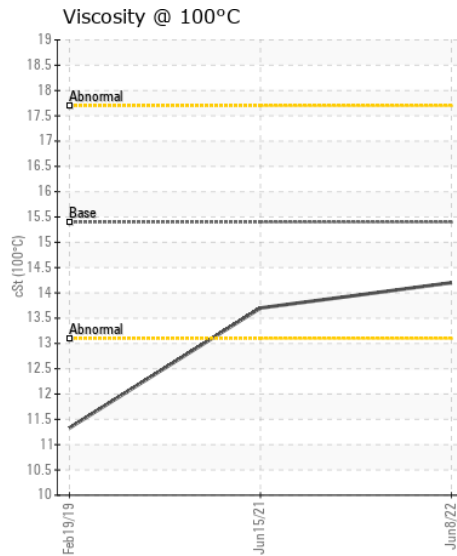
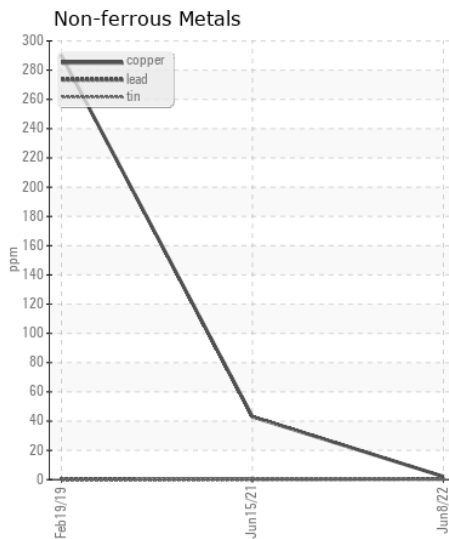
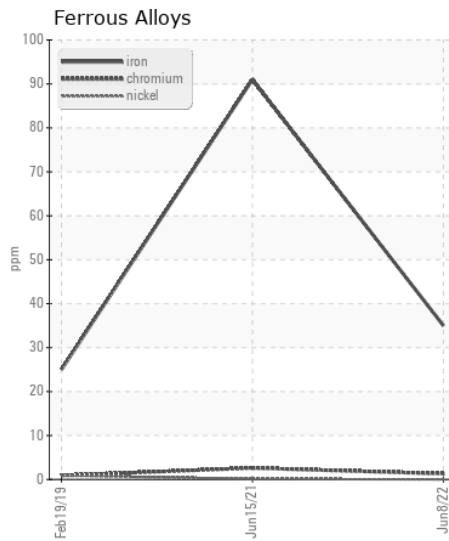
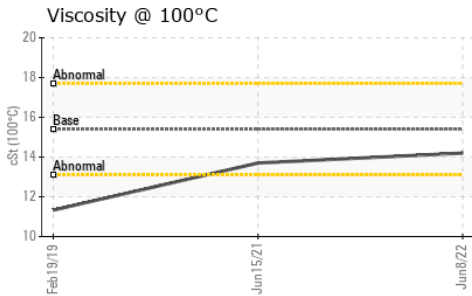
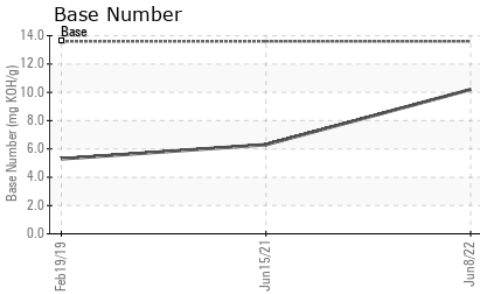
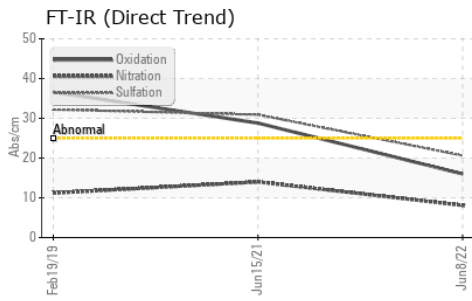
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>120	<b>8</b>	13	7
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	12	4
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>	0.4	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.1</b>	14	11.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>20.6</b>	30.9	32.2
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</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>2</b>	5	4
Boron	ppm	ASTM D5185m		<b>215</b>	32	30
Barium	ppm	ASTM D5185m		<b>0</b>	<1	1
Molybdenum	ppm	ASTM D5185m		<b>187</b>	171	3
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	3
Magnesium	ppm	ASTM D5185m		<b>623</b>	615	9
Calcium	ppm	ASTM D5185m		<b>1578</b>	1747	2092
Phosphorus	ppm	ASTM D5185m		<b>961</b>	921	920
Zinc	ppm	ASTM D5185m		<b>1166</b>	1132	1075
Sulfur	ppm	ASTM D5185m		<b>3233</b>	2579	2821
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>16.0</b>	28.8	36.6
Base Number (BN)	mg KOH/g	ASTM D2896	13.6	<b>10.2</b>	6.3	5.3
Visc @ 100°C	cSt	ASTM D445	15.4	<b>14.2</b>	13.7	11.33



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0032219 **Received** : 09 Jun 2022  
**Lab Number** : 05564400 **Tested** : 10 Jun 2022  
**Unique Number** : 10008800 **Diagnosed** : 10 Jun 2022 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: TBN )

**LESLIE EQUIPMENT COMPANY**  
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 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
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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)

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