



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area  
**Store 2 - Beaver [RO#149860]**  
Machine Id  
**JOHN DEERE 160P 1FF160PALPF000349**  
Component  
**Pump Drive**  
Fluid  
**JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0048547	---	---
Sample Date		Client Info		17 Apr 2024	---	---
Machine Age	hrs	Client Info		566	---	---
Oil Age	hrs	Client Info		566	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		18	---	---
Iron	ppm	ASTM D5185m	>151	27	---	---
Chromium	ppm	ASTM D5185m	>11	<1	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>21	2	---	---
Lead	ppm	ASTM D5185m	>51	<1	---	---
Copper	ppm	ASTM D5185m	>51	<1	---	---
Tin	ppm	ASTM D5185m	>4	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

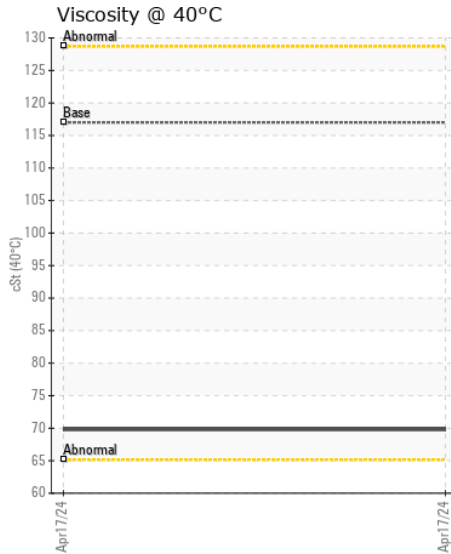
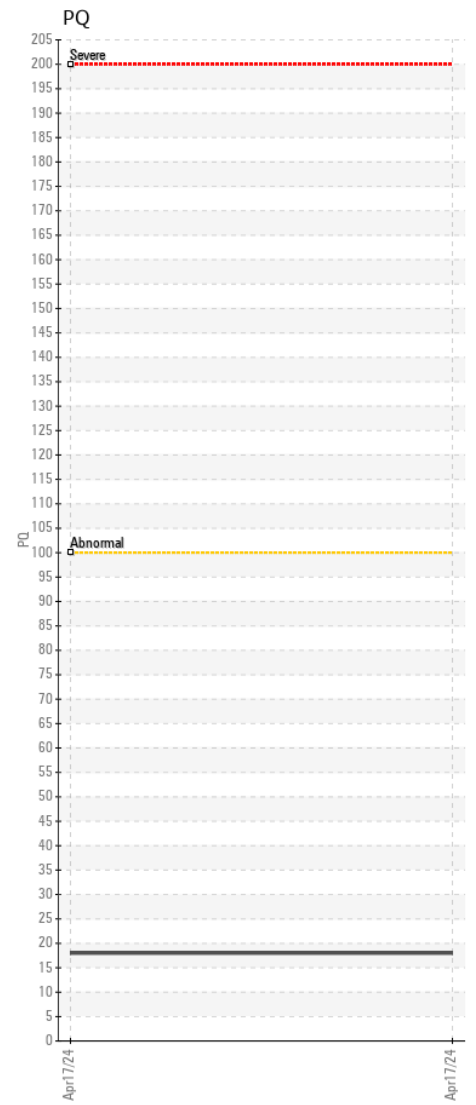
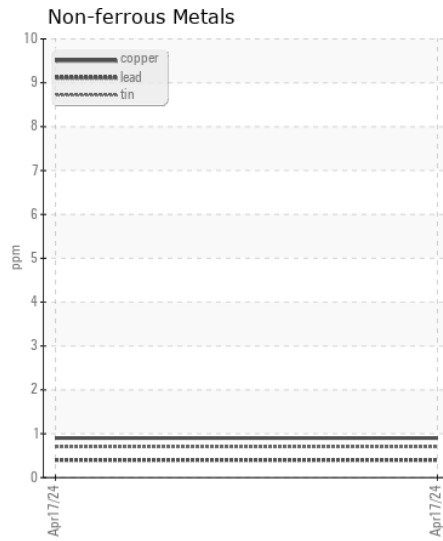
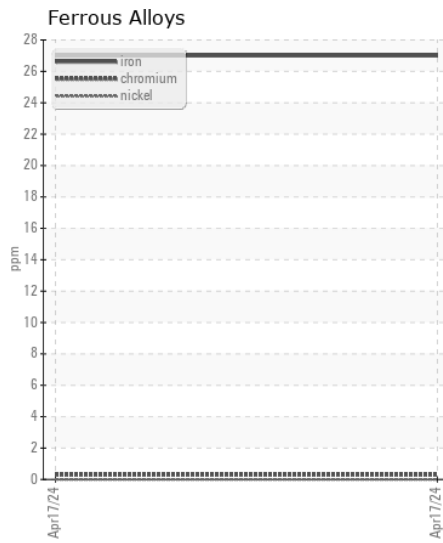
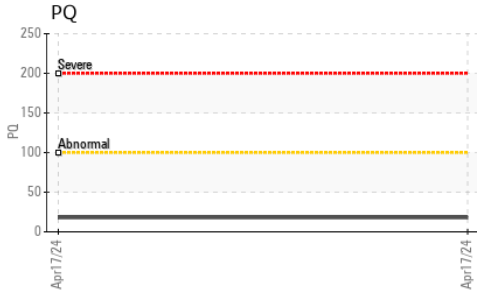
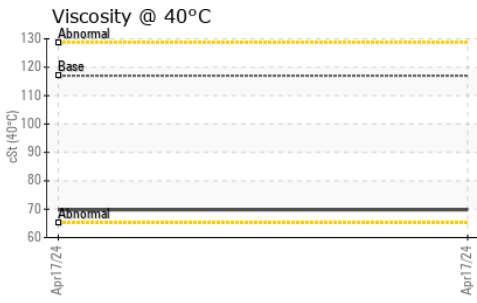
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	12	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water		WC Method	>0.1	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	5	---	---
Boron	ppm	ASTM D5185m		57	---	---
Barium	ppm	ASTM D5185m		5	---	---
Molybdenum	ppm	ASTM D5185m		99	---	---
Manganese	ppm	ASTM D5185m		1	---	---
Magnesium	ppm	ASTM D5185m		12	---	---
Calcium	ppm	ASTM D5185m		3870	---	---
Phosphorus	ppm	ASTM D5185m		1082	---	---
Zinc	ppm	ASTM D5185m		1079	---	---
Sulfur	ppm	ASTM D5185m		8070	---	---
Visc @ 40°C	cSt	ASTM D445	117	69.8	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0048547 **Received** : 19 Apr 2024  
**Lab Number** : 06154769 **Tested** : 22 Apr 2024  
**Unique Number** : 10990192 **Diagnosed** : 23 Apr 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 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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