



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 2 - Beaver [RO#150716]
Machine Id
JOHN DEERE 450J 1T0450JXVCD228725
Component
Transmission
Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 10W30 (11 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: JOHN DEERE TORQ GARD 10W30)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0049996	LECP170619	---
Sample Date		Client Info		07 May 2024	22 Dec 2016	---
Machine Age	hrs	Client Info		912	504	---
Oil Age	hrs	Client Info		912	504	---
Filter Age	hrs	Client Info		912	504	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>100	9	17	---
Iron	ppm	ASTM D5185m	>61	5	4	---
Chromium	ppm	ASTM D5185m	>10	0	<1	---
Nickel	ppm	ASTM D5185m		0	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>20	<1	0	---
Lead	ppm	ASTM D5185m	>9	7	4	---
Copper	ppm	ASTM D5185m	>100	27	19	---
Tin	ppm	ASTM D5185m	>3	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

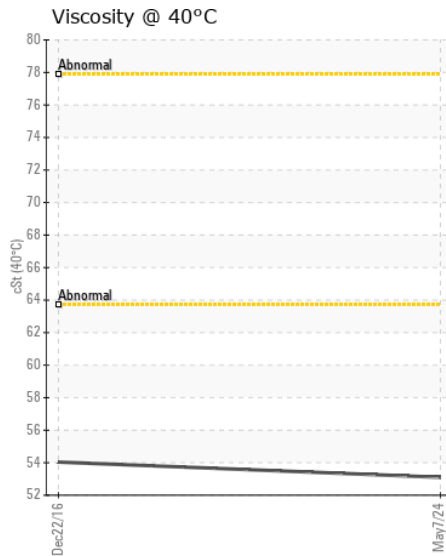
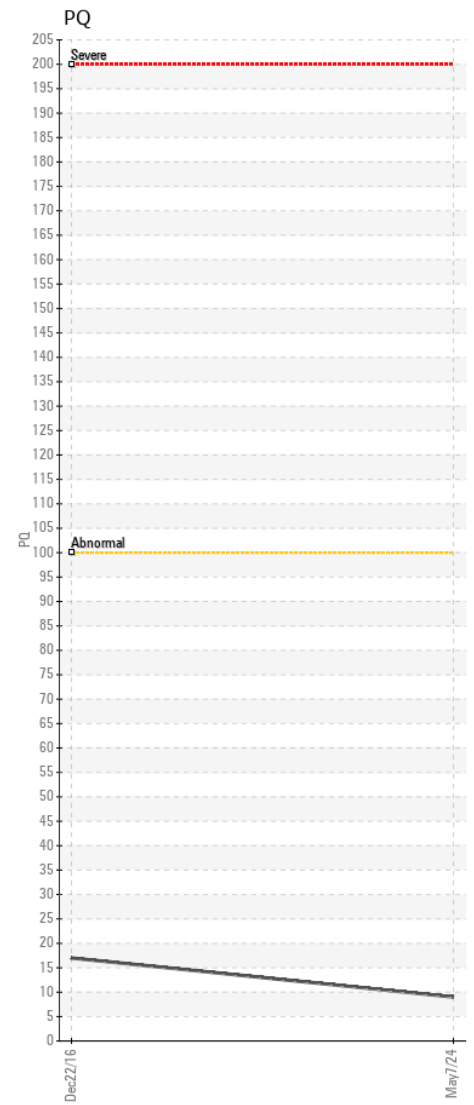
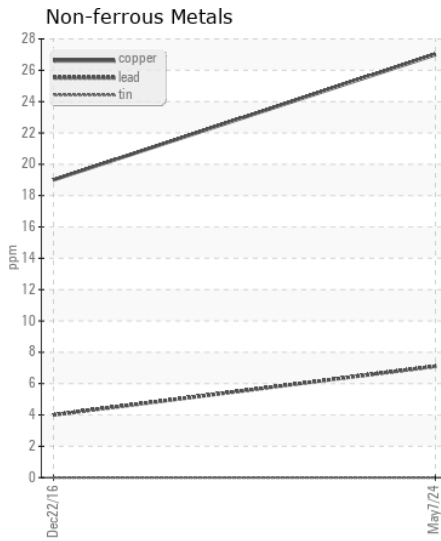
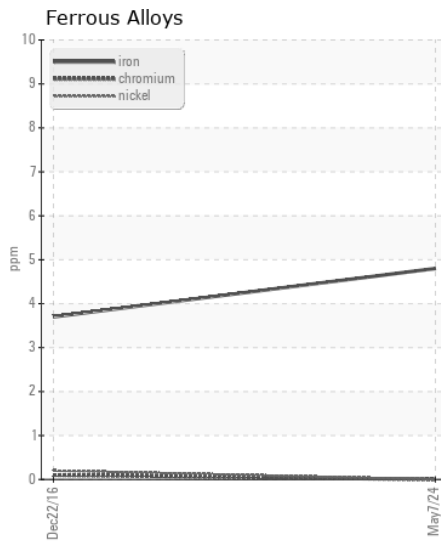
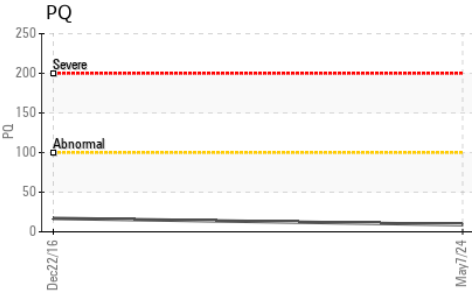
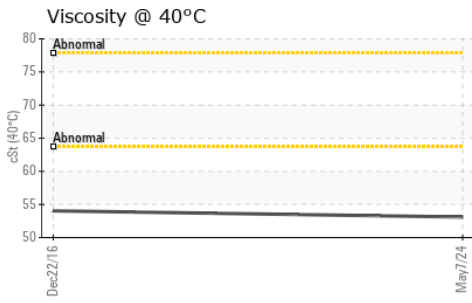
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m	>21	6	5	---
Potassium	ppm	ASTM D5185m	>20	3	4	---
Water		WC Method	>0.075	NEG	NEG	---
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	>0.075	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>30	4	4	---
Boron	ppm	ASTM D5185m		5	4	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		6	2	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		234	308	---
Calcium	ppm	ASTM D5185m		2556	2609	---
Phosphorus	ppm	ASTM D5185m		1096	1015	---
Zinc	ppm	ASTM D5185m		1325	1374	---
Sulfur	ppm	ASTM D5185m		4083	3693	---
Visc @ 40°C	cSt	ASTM D445		53.1	54.04	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0049996 **Received** : 10 May 2024
Lab Number : 06176350 **Tested** : 13 May 2024
Unique Number : 11022403 **Diagnosed** : 14 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.com

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)

T: (740)373-5570