



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 1 - Cowen
Machine Id
JOHN DEERE 650J 1T0650JXEBD209606
Component
Transmission
Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (14 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0040311	LEC0036965	LECP146627
Sample Date		Client Info		18 Jul 2023	22 May 2023	15 Nov 2013
Machine Age	hrs	Client Info		9544	9490	1751
Oil Age	hrs	Client Info		54	3	1751
Filter Age	hrs	Client Info		54	3	1751
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>100	11	15	11.0
Iron	ppm	ASTM D5185m	>61	8	7	4
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	1	<1
Lead	ppm	ASTM D5185m	>9	0	<1	8
Copper	ppm	ASTM D5185m	>100	7	7	19
Tin	ppm	ASTM D5185m	>3	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

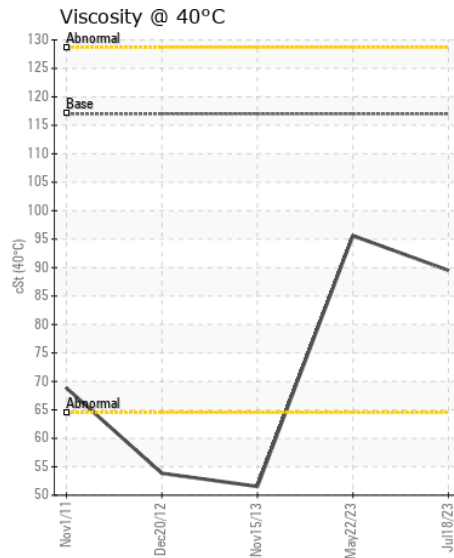
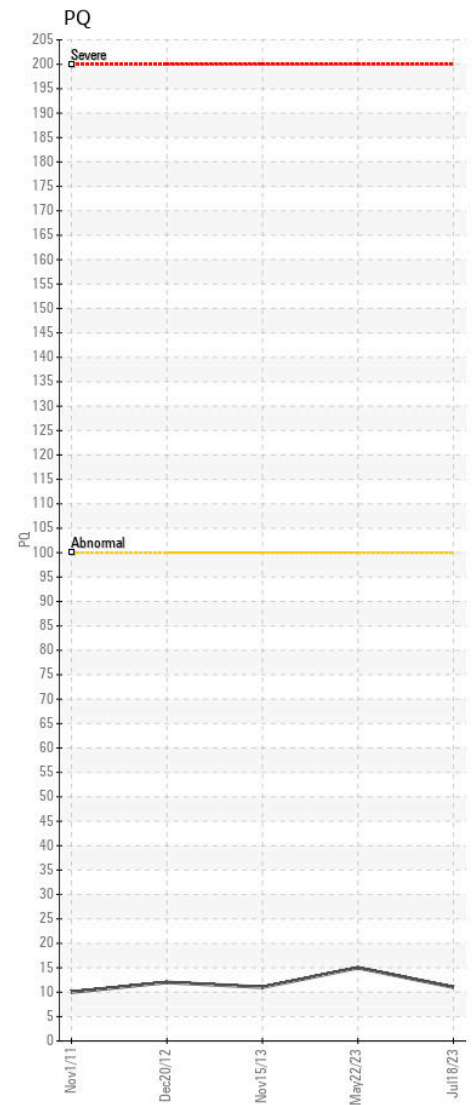
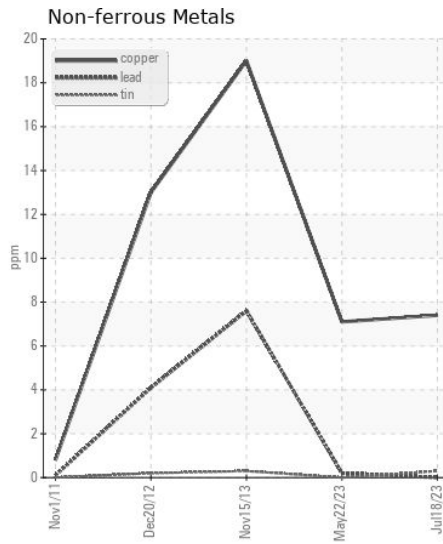
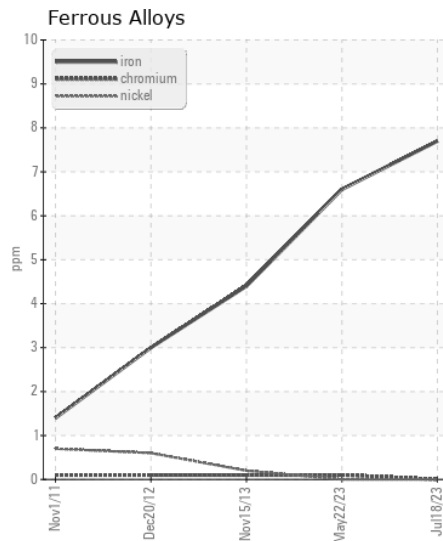
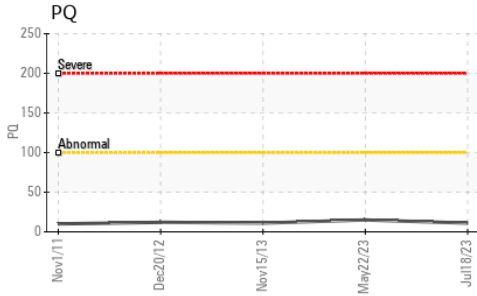
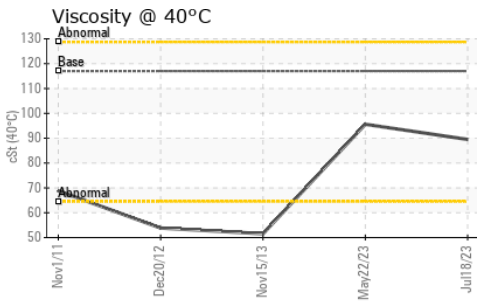
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m	>21	7	8	5
Potassium	ppm	ASTM D5185m	>20	<1	<1	4
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>30	2	1	1
Boron	ppm	ASTM D5185m		229	185	4
Barium	ppm	ASTM D5185m		<1	0	1
Molybdenum	ppm	ASTM D5185m		185	165	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		783	733	278
Calcium	ppm	ASTM D5185m		1616	1470	2386
Phosphorus	ppm	ASTM D5185m		1025	944	1131
Zinc	ppm	ASTM D5185m		1203	1150	1203
Sulfur	ppm	ASTM D5185m		4216	4016	4999
Visc @ 40°C	cSt	ASTM D445	117	89.5	95.6	51.54



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0040311 **Received** : 24 Jul 2023
Lab Number : 05905682 **Tested** : 25 Jul 2023
Unique Number : 10567038 **Diagnosed** : 25 Jul 2023 - 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)

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