



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL



Area
Store 4 - Fairmont [RO# 152035]
Machine Id
JOHN DEERE 650J T0650JX133890
Component
Right Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (9 QTS)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

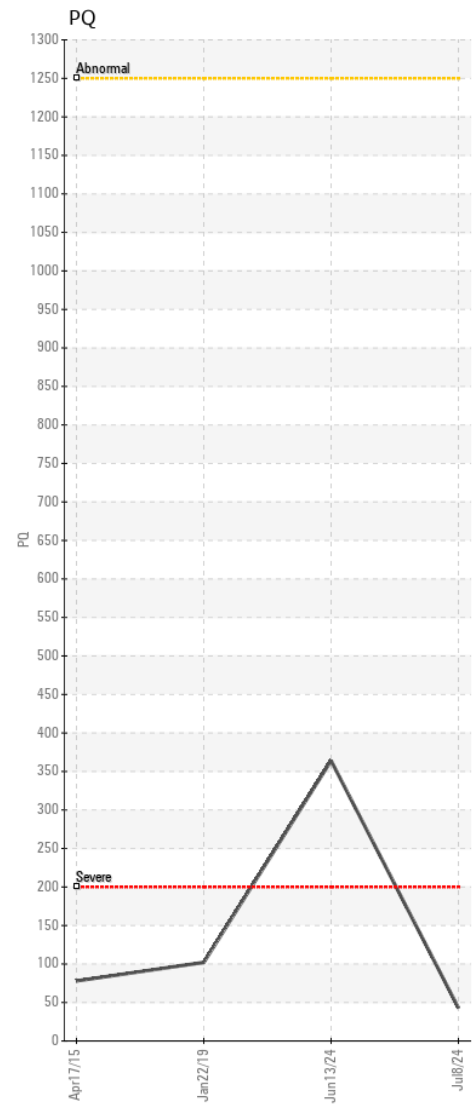
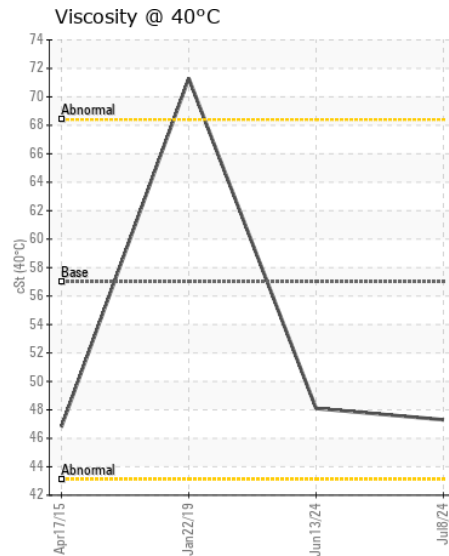
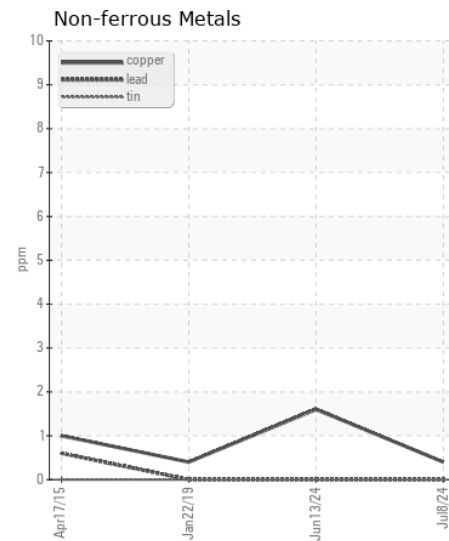
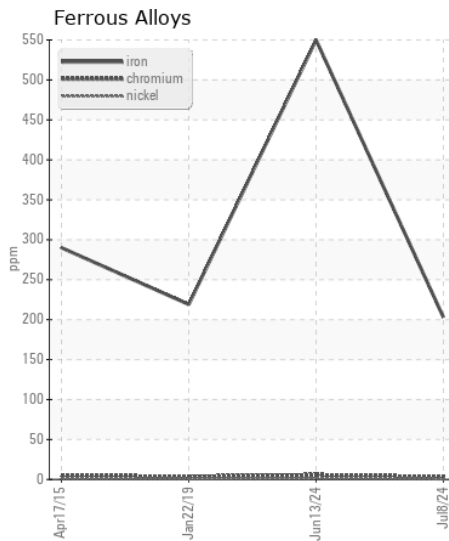
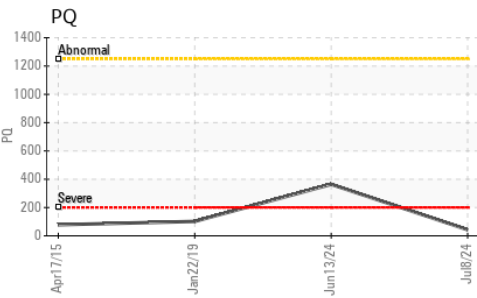
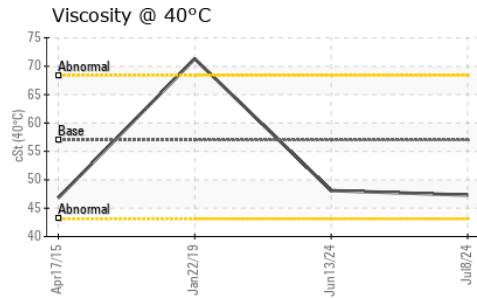
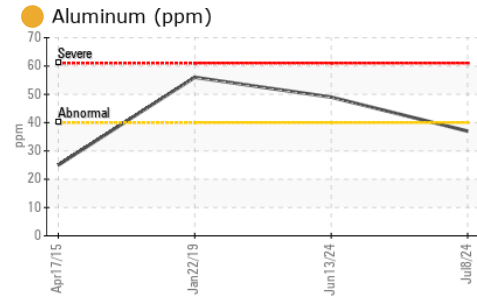
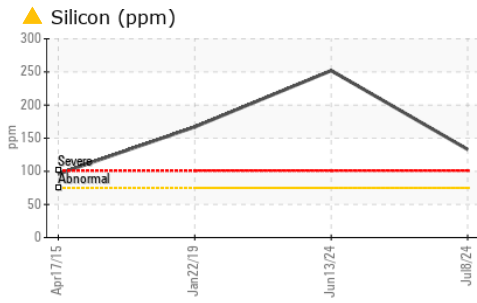
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0051032	LEC0048369	LECP186329
Sample Date		Client Info		08 Jul 2024	13 Jun 2024	22 Jan 2019
Machine Age	hrs	Client Info		4152	4152	3350
Oil Age	hrs	Client Info		1690	802	888
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ABNORMAL	SEVERE	ABNORMAL

PQ		ASTM D8184	>1250	43	364	102
Iron	ppm	ASTM D5185m	>750	203	550	219
Chromium	ppm	ASTM D5185m	>9	3	6	4
Nickel	ppm	ASTM D5185m	>10	<1	2	<1
Titanium	ppm	ASTM D5185m		2	5	4
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	37	49	56
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	<1	2	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	133	252	167
Potassium	ppm	ASTM D5185m	>20	14	18	14
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	MODER	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

Sodium	ppm	ASTM D5185m	>51	<1	6	5
Boron	ppm	ASTM D5185m	6	41	36	439
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	8	8	75
Manganese	ppm	ASTM D5185m		2	6	3
Magnesium	ppm	ASTM D5185m	145	120	124	348
Calcium	ppm	ASTM D5185m	3570	3410	3485	1653
Phosphorus	ppm	ASTM D5185m	1290	892	1072	1047
Zinc	ppm	ASTM D5185m	1640	1266	1251	1189
Sulfur	ppm	ASTM D5185m		3300	4156	3089
Visc @ 40°C	cSt	ASTM D445	57.0	47.3	48.1	71.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0051032 **Received** : 16 Jul 2024
Lab Number : 06238083 **Tested** : 17 Jul 2024
Unique Number : 11126917 **Diagnosed** : 18 Jul 2024 - Don Baldrige
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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