



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL



Area

Store 4 - Fairmont

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LECP186329	LECP156465	---
Sample Date		Client Info		22 Jan 2019	17 Apr 2015	---
Machine Age	hrs	Client Info		3350	2462	---
Oil Age	hrs	Client Info		888	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Not Changed	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	102	78.0	---
Iron	ppm	ASTM D5185m	>750	219	290	---
Chromium	ppm	ASTM D5185m	>9	4	5	---
Nickel	ppm	ASTM D5185m		<1	<1	---
Titanium	ppm	ASTM D5185m		4	1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	56	25	---
Lead	ppm	ASTM D5185m	>15	0	<1	---
Copper	ppm	ASTM D5185m	>40	<1	1	---
Tin	ppm	ASTM D5185m		0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	LIGHT	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

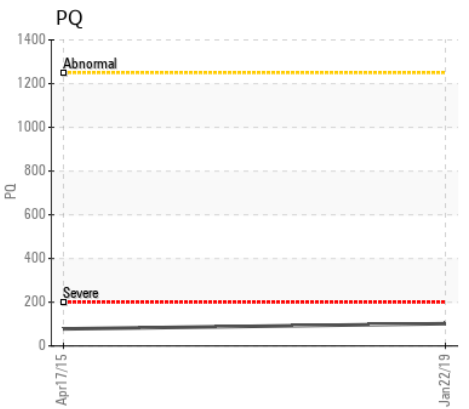
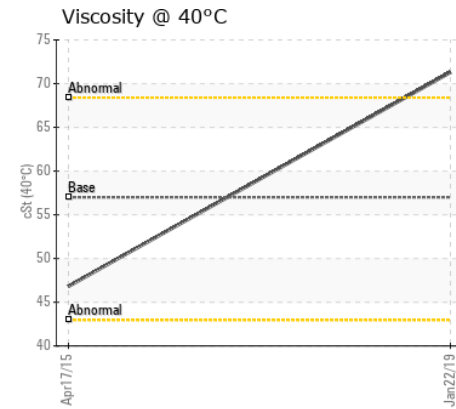
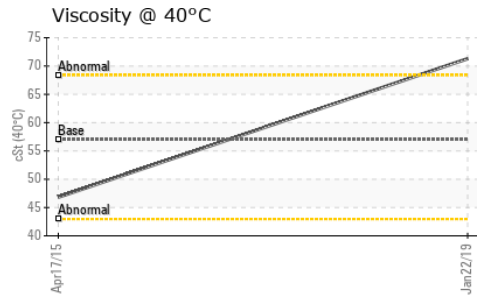
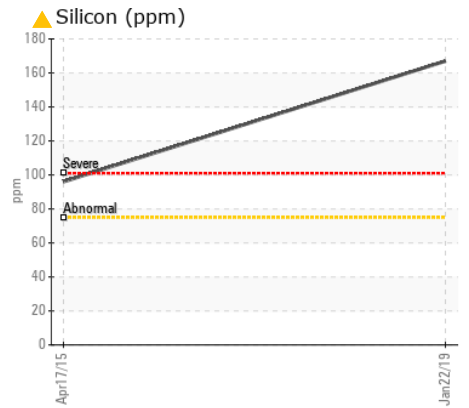
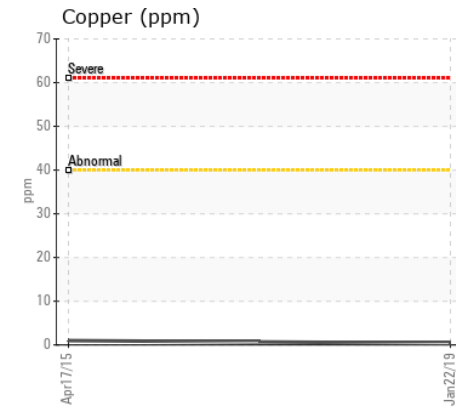
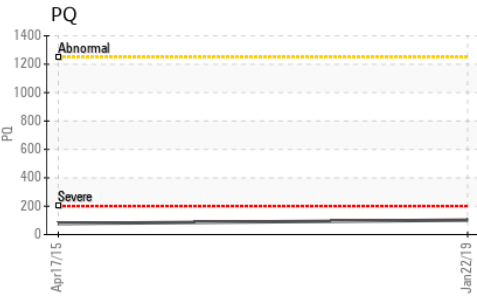
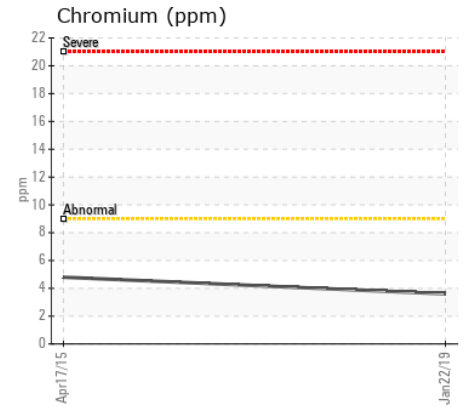
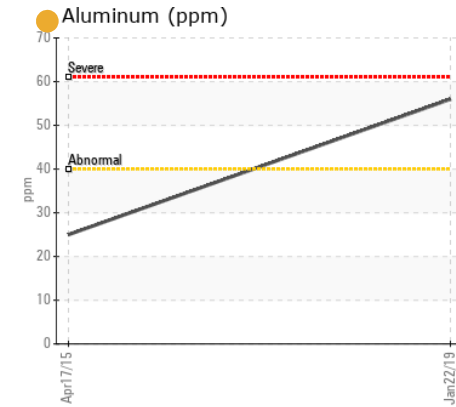
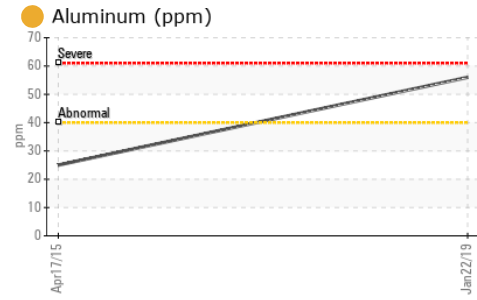
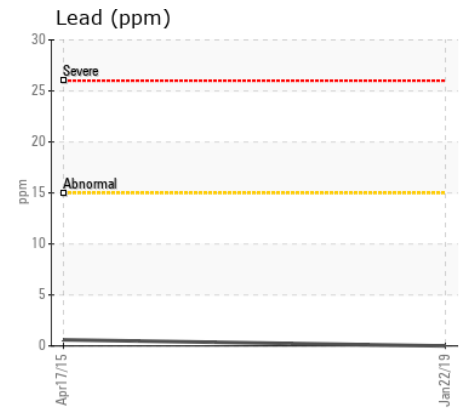
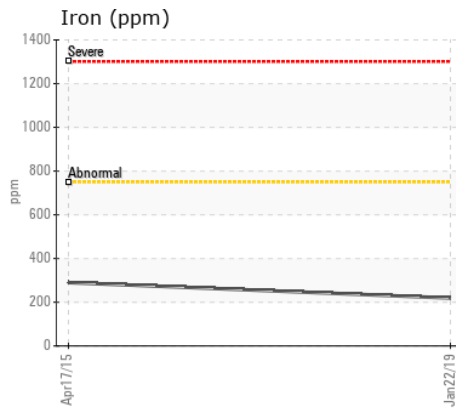
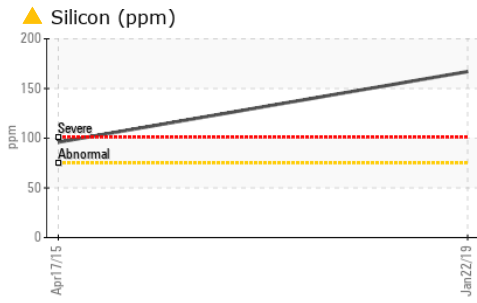
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	167	96	---
Potassium	ppm	ASTM D5185m	>20	14	32	---
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	>51	5	7	---
Boron	ppm	ASTM D5185m	6	439	8	---
Barium	ppm	ASTM D5185m	0	0	0	---
Molybdenum	ppm	ASTM D5185m	0	75	2	---
Manganese	ppm	ASTM D5185m		3	5	---
Magnesium	ppm	ASTM D5185m	145	348	86	---
Calcium	ppm	ASTM D5185m	3570	1653	3536	---
Phosphorus	ppm	ASTM D5185m	1290	1047	1084	---
Zinc	ppm	ASTM D5185m	1640	1189	1226	---
Sulfur	ppm	ASTM D5185m		3089	5726	---
Visc @ 40°C	cSt	ASTM D445	57.0	71.3	46.82	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC186329 **Received** : 25 Jan 2019
Lab Number : 04637994 **Tested** : 28 Jan 2019
Unique Number : 8474429 **Diagnosed** : 28 Jan 2019 - Don Baldrige
Test Package : MOB 1 (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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