



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**Store 2 - Beaver [56604]**  
Machine Id  
**JOHN DEERE 450J 1T0450JXVCD228725**  
Component  
**Winch**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (10 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LECP170621	---	---
Sample Date		Client Info		22 Dec 2016	---	---
Machine Age	hrs	Client Info		504	---	---
Oil Age	hrs	Client Info		504	---	---
Filter Age	hrs	Client Info		504	---	---
Oil Changed		Client Info		Not Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				<b>NORMAL</b>	---	---

## WEAR

All component wear rates are normal.

Test	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		16	---	---
Iron	ppm	ASTM D5185m	>150	6	---	---
Chromium	ppm	ASTM D5185m		<1	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>5	0	---	---
Lead	ppm	ASTM D5185m	>15	6	---	---
Copper	ppm	ASTM D5185m	>80	5	---	---
Tin	ppm	ASTM D5185m		4	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

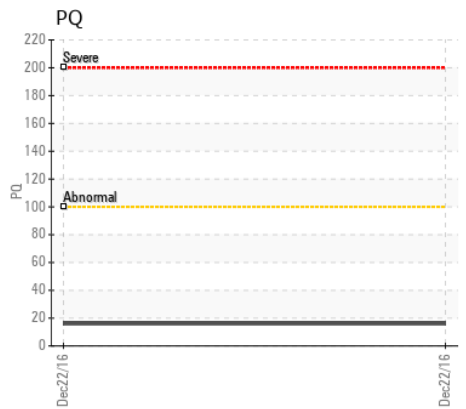
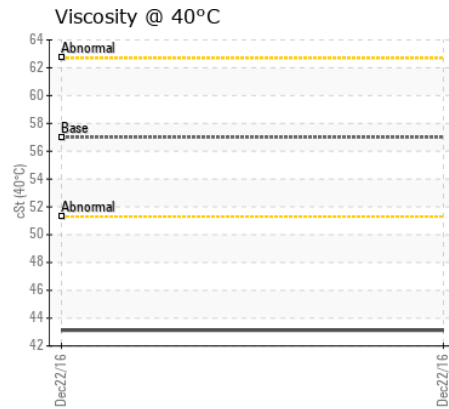
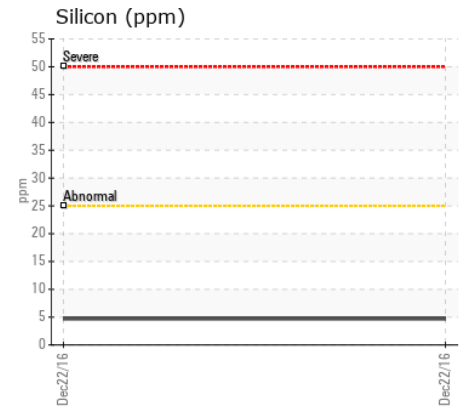
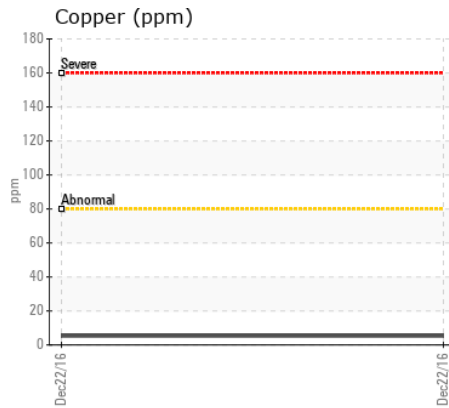
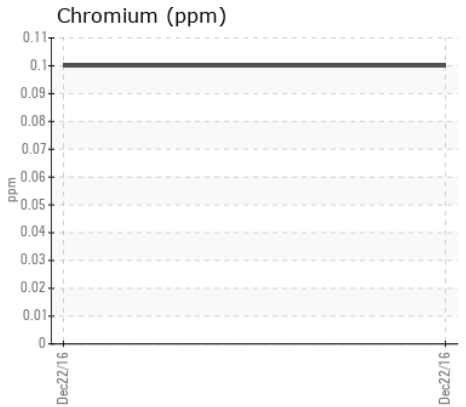
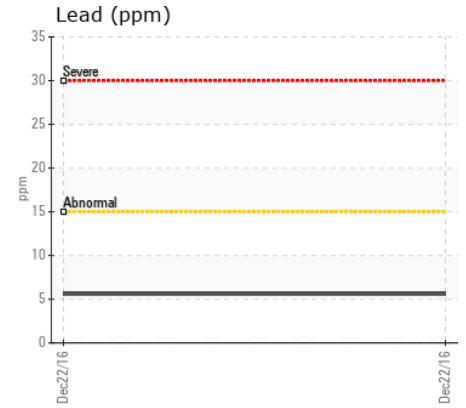
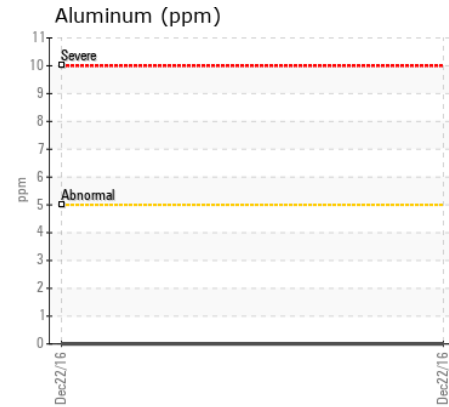
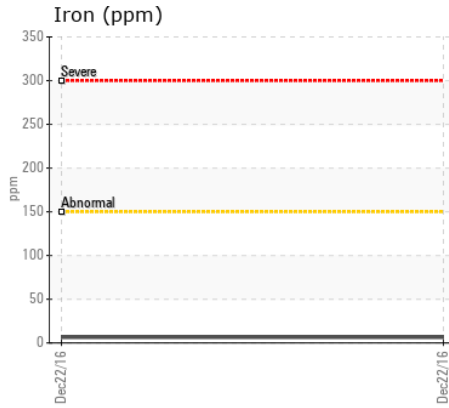
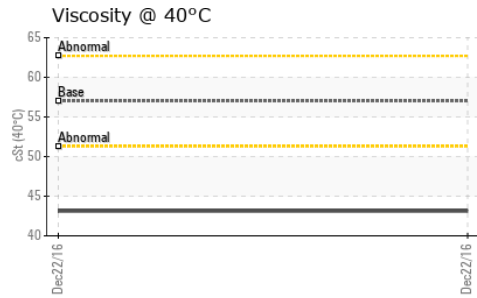
There is no indication of any contamination in the component.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>25	5	---	---
Potassium	ppm	ASTM D5185m	>20	5	---	---
Water		WC Method	>0.2	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	>0.2	NEG	---	---

## FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m		13	---	---
Boron	ppm	ASTM D5185m	6	7	---	---
Barium	ppm	ASTM D5185m	0	2	---	---
Molybdenum	ppm	ASTM D5185m	0	2	---	---
Manganese	ppm	ASTM D5185m		1	---	---
Magnesium	ppm	ASTM D5185m	145	23	---	---
Calcium	ppm	ASTM D5185m	3570	3436	---	---
Phosphorus	ppm	ASTM D5185m	1290	1032	---	---
Zinc	ppm	ASTM D5185m	1640	1356	---	---
Sulfur	ppm	ASTM D5185m		3736	---	---
Visc @ 40°C	cSt	ASTM D445	57.0	43.13	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC170621 **Received** : 30 Dec 2016  
**Lab Number** : 04134251 **Tested** : 04 Jan 2017  
**Unique Number** : 7652632 **Diagnosed** : 04 Jan 2017 - Don Baldrige  
**Test Package** : MOB 1 ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
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 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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