



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area  
**Store 9 - Marietta**  
Machine Id  
**JOHN DEERE 544P 1DW544PAHNLZ14996**  
Component  
**Transmission**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (6 GAL)**

## RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0042289	---	---
Sample Date		Client Info		15 Jun 2023	---	---
Machine Age	hrs	Client Info		335	---	---
Oil Age	hrs	Client Info		335	---	---
Filter Age	hrs	Client Info		335	---	---
Oil Changed		Client Info		Not Changed	---	---
Filter Changed		Client Info		Not Changed	---	---
Sample Status				ABNORMAL	---	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>100	12	---	---
Iron	ppm	ASTM D5185m	>61	15	---	---
Chromium	ppm	ASTM D5185m	>10	<1	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>20	<1	---	---
Lead	ppm	ASTM D5185m	>9	<1	---	---
Copper	ppm	ASTM D5185m	>100	5	---	---
Tin	ppm	ASTM D5185m	>3	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

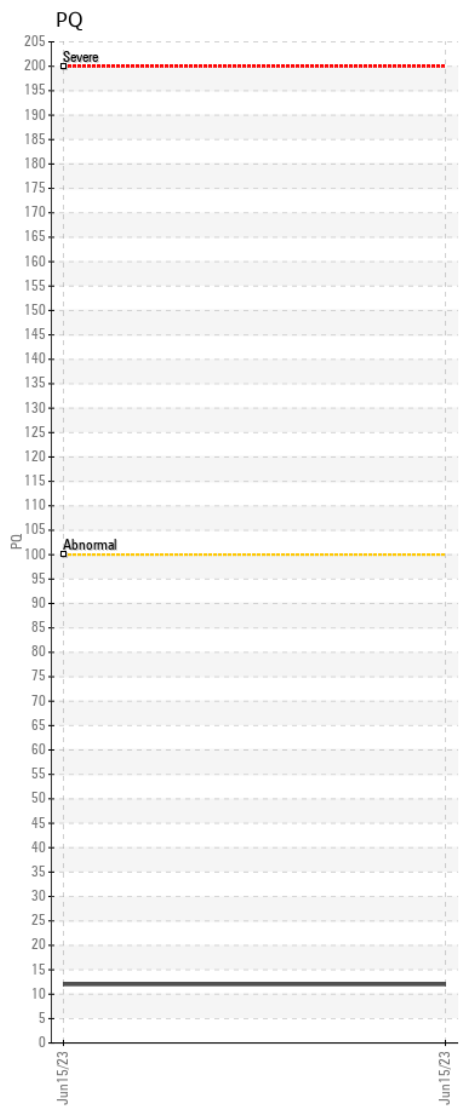
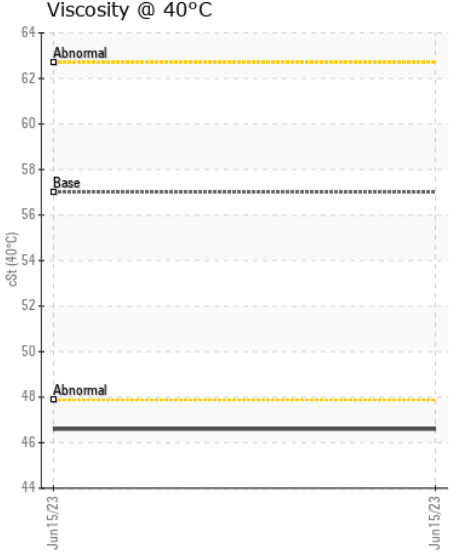
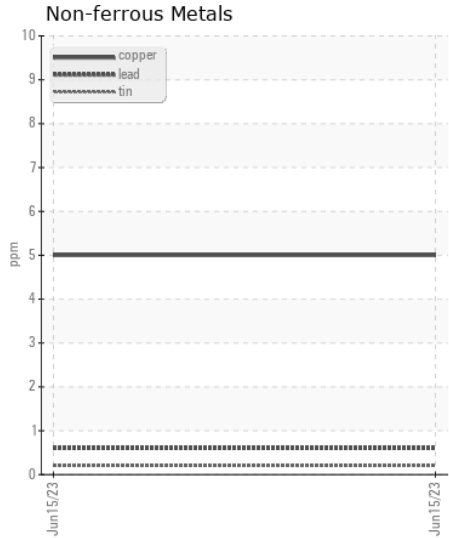
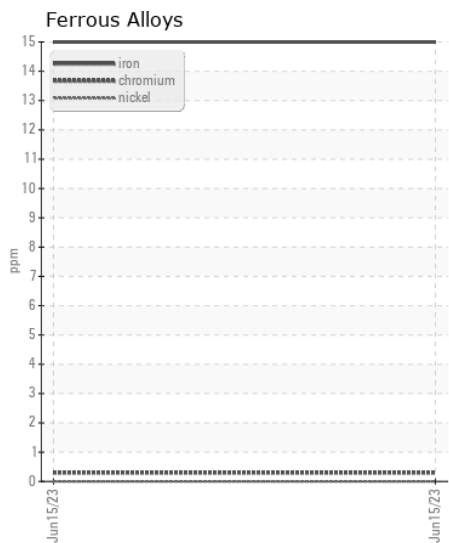
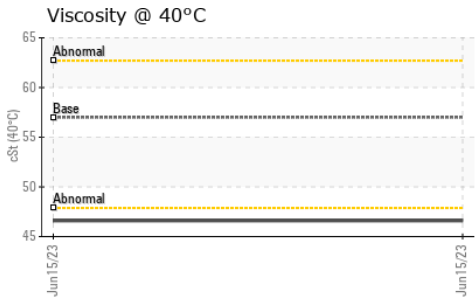
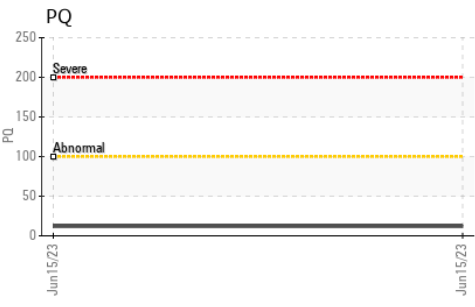
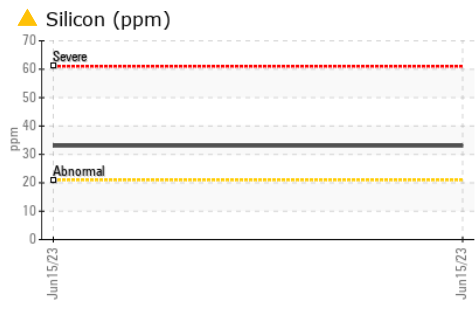
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>21	▲ 33	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water		WC Method	>0.075	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	>0.075	NEG	---	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>30	24	---	---
Boron	ppm	ASTM D5185m	6	<1	---	---
Barium	ppm	ASTM D5185m	0	0	---	---
Molybdenum	ppm	ASTM D5185m	0	2	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m	145	91	---	---
Calcium	ppm	ASTM D5185m	3570	3408	---	---
Phosphorus	ppm	ASTM D5185m	1290	1019	---	---
Zinc	ppm	ASTM D5185m	1640	1276	---	---
Sulfur	ppm	ASTM D5185m		4219	---	---
Visc @ 40°C	cSt	ASTM D445	57.0	46.6	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0042289 **Received** : 19 Jun 2023  
**Lab Number** : 05877077 **Tested** : 20 Jun 2023  
**Unique Number** : 10522180 **Diagnosed** : 20 Jun 2023 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
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 MARIETTA, OH  
 US 45750-9765  
 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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