



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

Machine Id  
**JOHN DEERE 544P 400-007 (S/N 1DW544PAENLZ15132)**

Component  
**Brake**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (1 QTS)**

### RECOMMENDATION

The fluid change at the time of sampling has been noted. 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		JR0226809	---	---
Sample Date		Client Info		11 Jul 2024	---	---
Machine Age	hrs	Client Info		3034	---	---
Oil Age	hrs	Client Info		3034	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		None	---	---
Sample Status				ABNORMAL	---	---

### WEAR

The lead level is abnormal. All other component wear rates are normal.

PQ		ASTM D8184		58	---	---
Iron	ppm	ASTM D5185m	>350	152	---	---
Chromium	ppm	ASTM D5185m	>5	<1	---	---
Nickel	ppm	ASTM D5185m	>5	<1	---	---
Titanium	ppm	ASTM D5185m		10	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>8	4	---	---
Lead	ppm	ASTM D5185m	>10	▲ 23	---	---
Copper	ppm	ASTM D5185m	>150	6	---	---
Tin	ppm	ASTM D5185m	>5	0	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

### CONTAMINATION

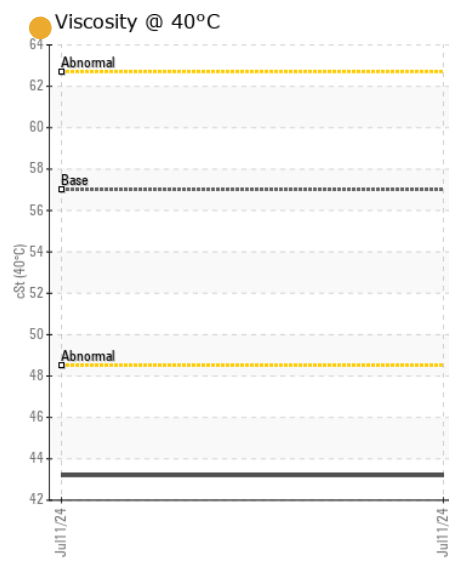
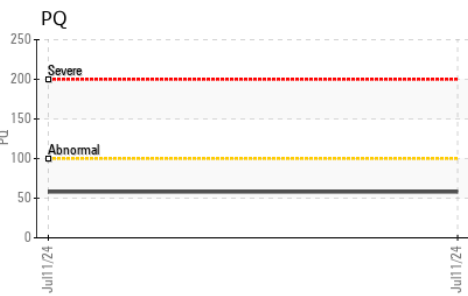
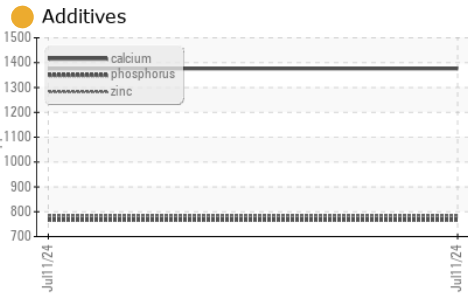
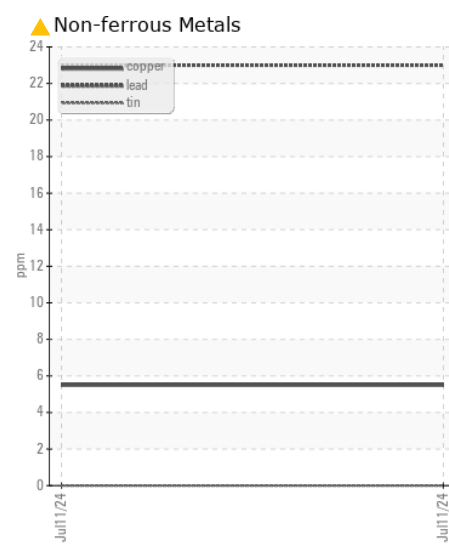
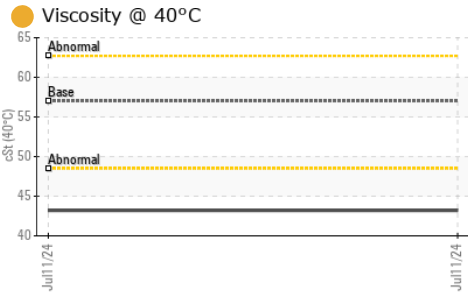
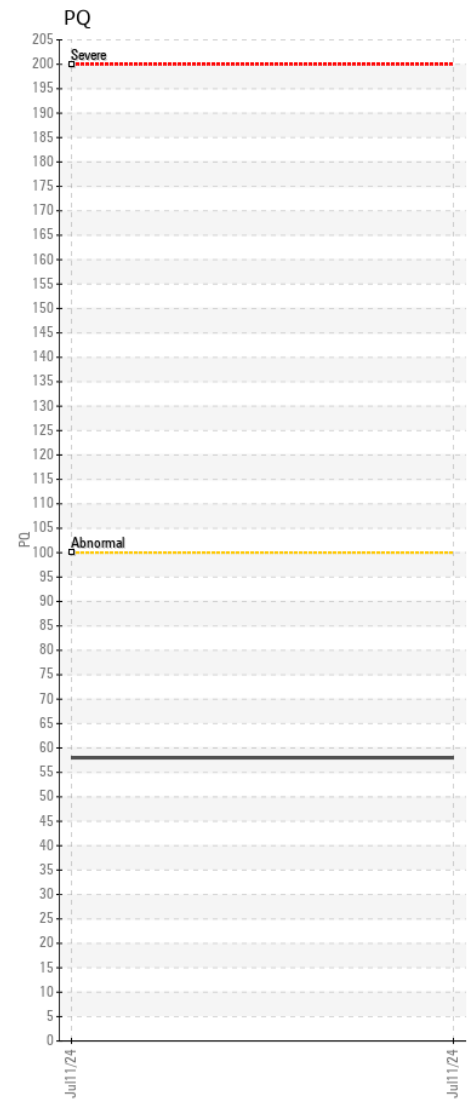
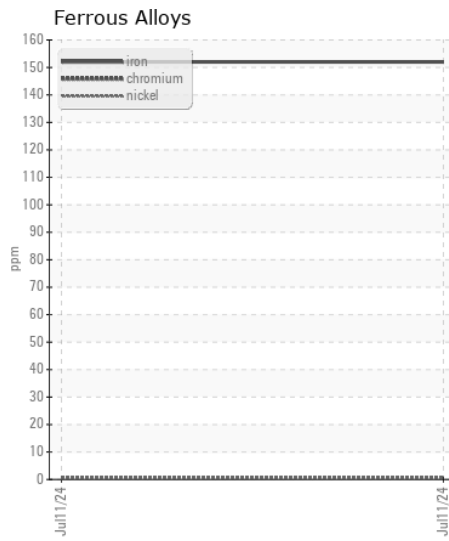
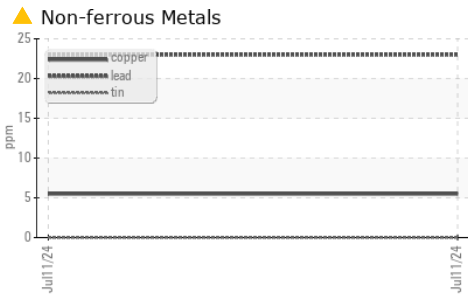
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>400	257	---	---
Potassium	ppm	ASTM D5185m	>20	3	---	---
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 fluid viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		7	---	---
Boron	ppm	ASTM D5185m	6	● 146	---	---
Barium	ppm	ASTM D5185m	0	0	---	---
Molybdenum	ppm	ASTM D5185m	0	● 231	---	---
Manganese	ppm	ASTM D5185m		4	---	---
Magnesium	ppm	ASTM D5185m	145	● 549	---	---
Calcium	ppm	ASTM D5185m	3570	● 1376	---	---
Phosphorus	ppm	ASTM D5185m	1290	767	---	---
Zinc	ppm	ASTM D5185m	1640	● 784	---	---
Sulfur	ppm	ASTM D5185m		3184	---	---
Visc @ 40°C	cSt	ASTM D445	57.0	● 43.2	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0226809 **Received** : 15 Jul 2024  
**Lab Number** : 06236426 **Tested** : 16 Jul 2024  
**Unique Number** : 11125260 **Diagnosed** : 17 Jul 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**PLEASANT CONSTRUCTION INC**  
 24024 FREDERICK RD  
 CLARKSBURG, MD  
 US 20871  
 Contact: HERBIE TRENT

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)

T: (301)502-0163

F: