



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

Area

[05W47555]

Machine Id

JOHN DEERE PM061171

Component

Brake

Fluid

JOHN DEERE HY-GARD HYD/TRANS (1 QTS)

### RECOMMENDATION

The fluid 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 level of silicon (Si) above normal.

### FLUID CONDITION

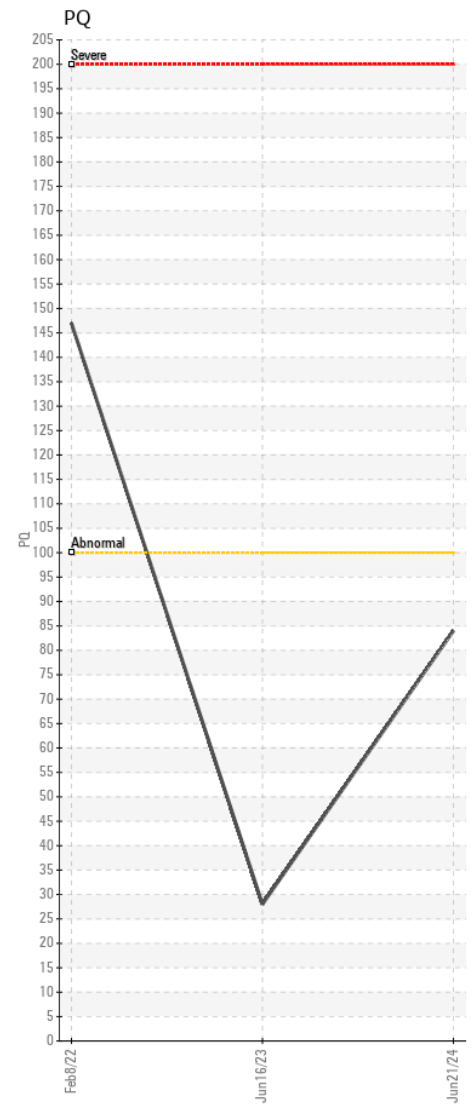
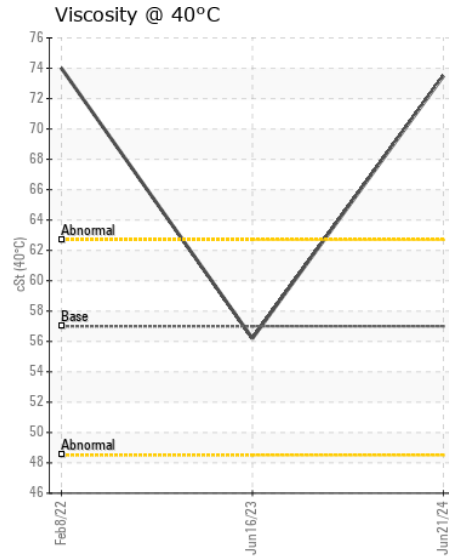
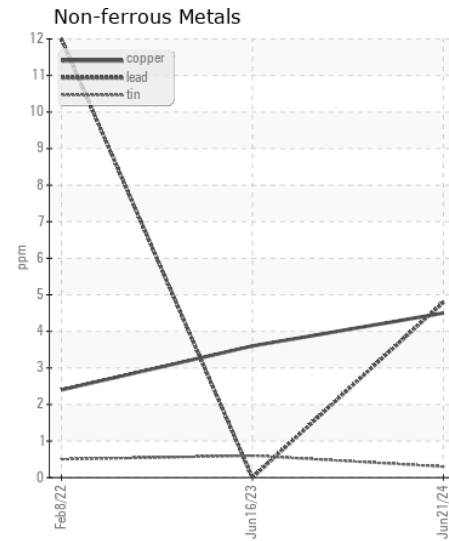
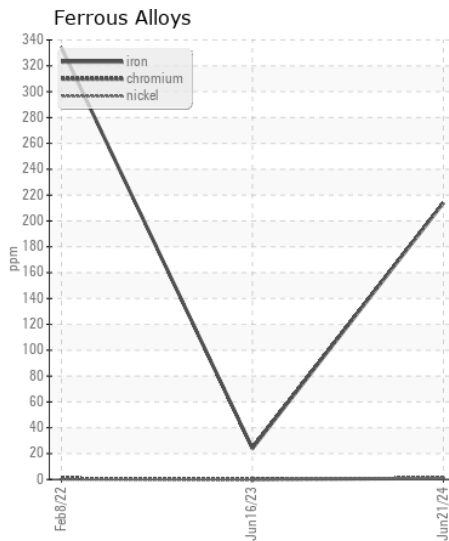
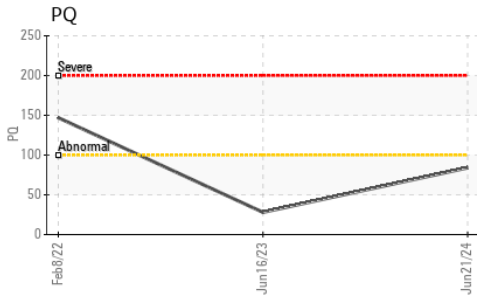
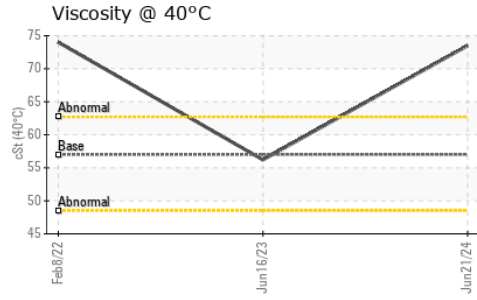
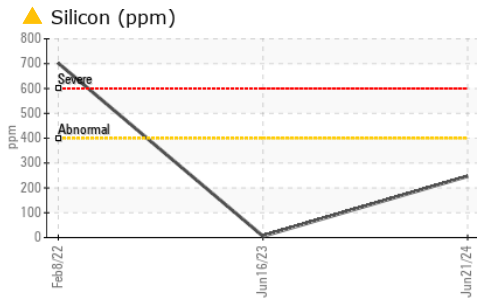
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0218314</b>	JR0176358	JR0119942
Sample Date		Client Info		<b>21 Jun 2024</b>	16 Jun 2023	08 Feb 2022
Machine Age	hrs	Client Info		<b>2994</b>	1947	957
Oil Age	hrs	Client Info		<b>1047</b>	1000	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	NORMAL	ABNORMAL

PQ		ASTM D8184		<b>84</b>	28	147
Iron	ppm	ASTM D5185m	>350	<b>214</b>	24	334
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>9</b>	<1	32
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>8	<b>9</b>	0	5
Lead	ppm	ASTM D5185m	>10	<b>5</b>	0	12
Copper	ppm	ASTM D5185m	>150	<b>4</b>	4	2
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>400	<b>▲ 247</b>	6	<b>▲ 702</b>
Potassium	ppm	ASTM D5185m	>20	<b>13</b>	0	18
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m		<b>51</b>	1	46
Boron	ppm	ASTM D5185m	6	<b>72</b>	10	219
Barium	ppm	ASTM D5185m	0	<b>0</b>	5	0
Molybdenum	ppm	ASTM D5185m	0	<b>145</b>	7	211
Manganese	ppm	ASTM D5185m		<b>4</b>	<1	4
Magnesium	ppm	ASTM D5185m	145	<b>177</b>	131	523
Calcium	ppm	ASTM D5185m	3570	<b>2588</b>	3440	1644
Phosphorus	ppm	ASTM D5185m	1290	<b>951</b>	1035	741
Zinc	ppm	ASTM D5185m	1640	<b>1003</b>	1264	761
Sulfur	ppm	ASTM D5185m		<b>3410</b>	4424	2876
Visc @ 40°C	cSt	ASTM D445	57.0	<b>73.5</b>	56.2	74.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0218314 **Received** : 25 Jun 2024  
**Lab Number** : 06220032 **Tested** : 26 Jun 2024  
**Unique Number** : 11098229 **Diagnosed** : 26 Jun 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**FITZGERALD EXCAVATING**  
 PO BOX 2168  
 WINCHESTER, VA  
 US 22604  
 Contact: Service Manager

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:  
F: