



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

Machine Id  
**JOHN DEERE PM061170**  
 Component  
**Transmission (Manual)**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0199483</b>	JR0169005	JR0160026
Sample Date		Client Info		<b>15 Jan 2024</b>	07 Aug 2023	27 Jan 2023
Machine Age	hrs	Client Info		<b>2468</b>	1992	1452
Oil Age	hrs	Client Info		<b>476</b>	1992	1452
Filter Age	hrs	Client Info		<b>0</b>	0	1452
Oil Changed		Client Info		<b>Not Chngd</b>	Changed	Not Chngd
Filter Changed		Client Info		<b>Not Chngd</b>	Changed	Not Chngd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	<b>20</b>	14	16
Iron	ppm	ASTM D5185m	>200	<b>21</b>	23	22
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>7	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	1	<1
Lead	ppm	ASTM D5185m	>45	<b>0</b>	<1	1
Copper	ppm	ASTM D5185m	>225	<b>5</b>	6	5
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

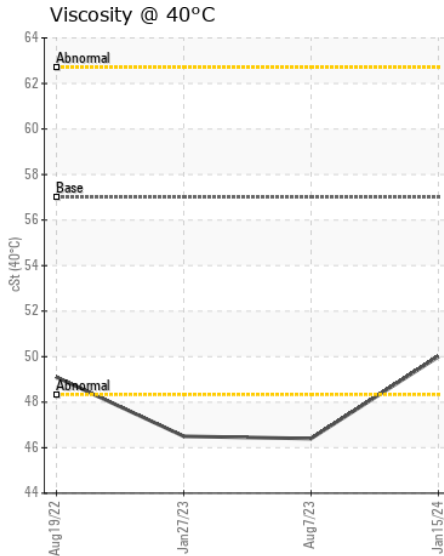
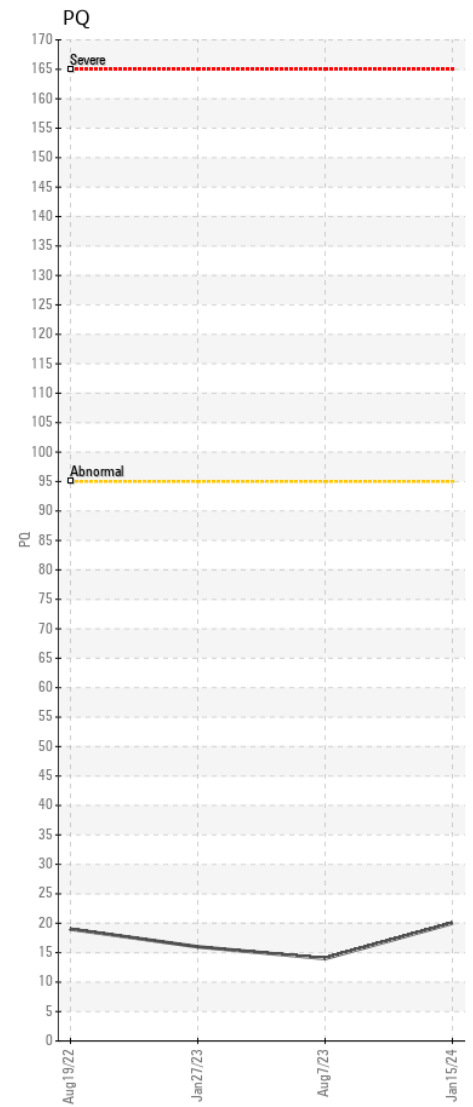
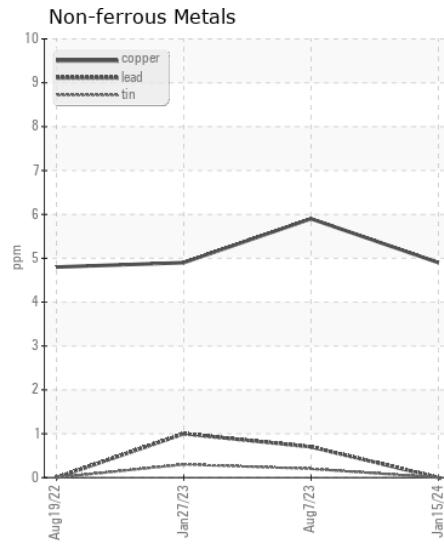
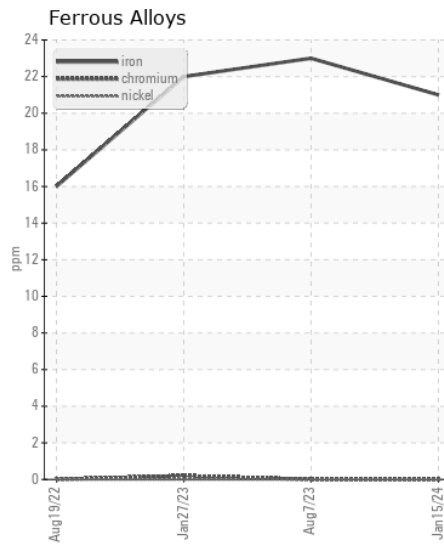
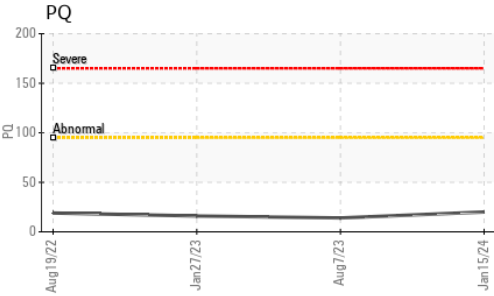
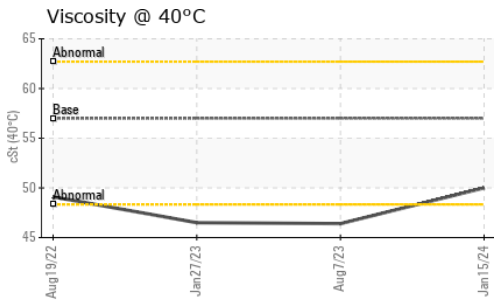
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>4</b>	5	6
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	1	<1
Water		WC Method	>0.1	<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	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>5</b>	11	11
Boron	ppm	ASTM D5185m	6	<b>3</b>	0	0
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>2</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	145	<b>106</b>	99	89
Calcium	ppm	ASTM D5185m	3570	<b>3220</b>	3630	3357
Phosphorus	ppm	ASTM D5185m	1290	<b>1020</b>	1090	935
Zinc	ppm	ASTM D5185m	1640	<b>1167</b>	1308	1159
Sulfur	ppm	ASTM D5185m		<b>3560</b>	4268	3752
Visc @ 40°C	cSt	ASTM D445	57.0	<b>50.0</b>	46.4	46.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0199483 **Received** : 17 Jan 2024  
**Lab Number** : 06063812 **Diagnosed** : 19 Jan 2024  
**Unique Number** : 10835194 **Diagnostician** : Wes Davis  
**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: