



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

Machine Id  
**JOHN DEERE 544L 1DW544LZKKF699729**

Component  
**Transmission (Manual)**

Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0222236</b>	JR0186650	JR0153006
Sample Date		Client Info		<b>07 Jul 2024</b>	08 Oct 2023	20 Dec 2022
Machine Age	hrs	Client Info		<b>4673</b>	4236	3524
Oil Age	hrs	Client Info		<b>437</b>	4236	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Changed	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	<b>18</b>	16	13
Iron	ppm	ASTM D5185m	>200	<b>17</b>	36	33
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>7	<b>&lt;1</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	1
Lead	ppm	ASTM D5185m	>45	<b>0</b>	<1	2
Copper	ppm	ASTM D5185m	>225	<b>19</b>	40	40
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	2
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

There is no indication of any contamination in the fluid.

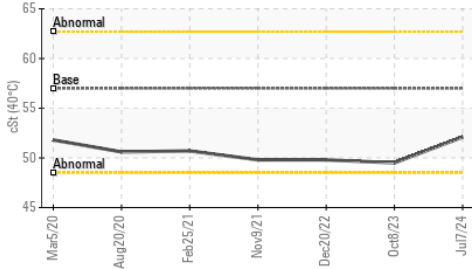
Silicon	ppm	ASTM D5185m	>125	<b>26</b>	57	55
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	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

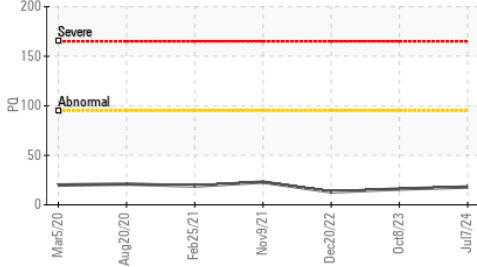
The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>4</b>	0	5
Boron	ppm	ASTM D5185m	6	<b>&lt;1</b>	3	4
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	<1	1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	1	1
Magnesium	ppm	ASTM D5185m	145	<b>90</b>	94	98
Calcium	ppm	ASTM D5185m	3570	<b>3224</b>	3164	3389
Phosphorus	ppm	ASTM D5185m	1290	<b>980</b>	989	991
Zinc	ppm	ASTM D5185m	1640	<b>1154</b>	1227	1165
Sulfur	ppm	ASTM D5185m		<b>3679</b>	3995	3610
Visc @ 40°C	cSt	ASTM D445	57.0	<b>52.1</b>	49.5	49.8

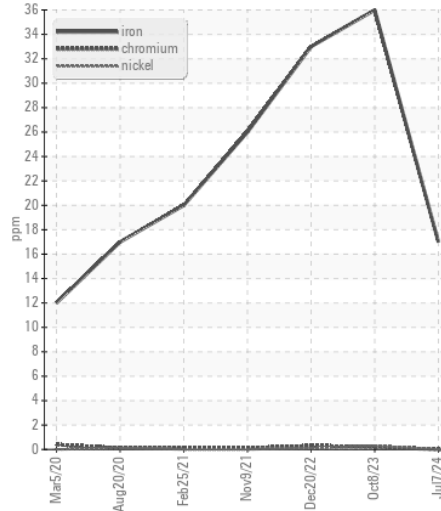
Viscosity @ 40°C



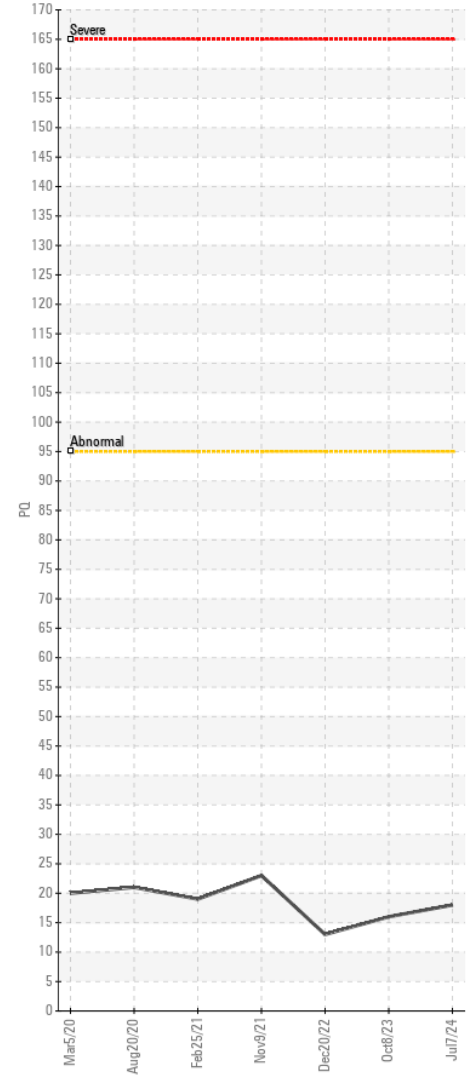
PQ



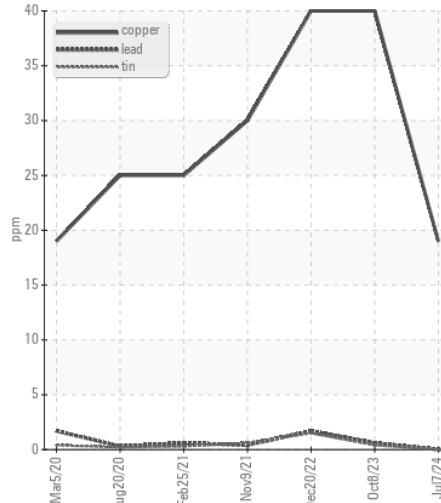
Ferrous Alloys



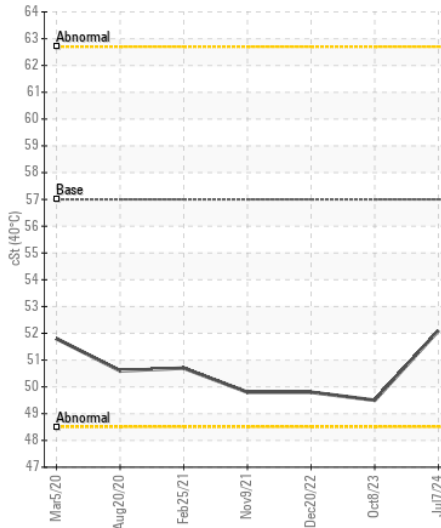
PQ



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : JR0222236  
 Lab Number : 06232419  
 Unique Number : 11115912  
 Test Package : CONST ( Additional Tests: PQ )

JRE - GARNER  
 4161 AUBURN CHURCH RD  
 GARNER, NC  
 US 27529

Contact: RALEIGH SHOP  
 sean.betts@jamesriverequipment.com; catherine.anastasio@wearcheck.com

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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