



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

Area

**[W9034]**

Machine Id

**JOHN DEERE 260E 1DW260ETJNF716100**

Component

**Center Differential**

Fluid

**JOHN DEERE HY-GARD HYD/TRANS (10 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. Please note that this is a corrected copy. ( Customer Sample Comment: W9034 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0197117</b>	JR0196897	JR0194522
Sample Date		Client Info		<b>13 Jun 2024</b>	10 Apr 2024	24 Dec 2023
Machine Age	hrs	Client Info		<b>2558</b>	2248	1752
Oil Age	hrs	Client Info		<b>310</b>	2248	0
Filter Age	hrs	Client Info		<b>310</b>	1200	0
Oil Changed		Client Info		<b>Not Changd</b>	Changed	N/A
Filter Changed		Client Info		<b>Not Changd</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>49</b>	275	18
Iron	ppm	ASTM D5185m	>500	<b>57</b>	370	5
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	3	0
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	8	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	5	1
Lead	ppm	ASTM D5185m	>25	<b>3</b>	15	0
Copper	ppm	ASTM D5185m	>100	<b>46</b>	210	0
Tin	ppm	ASTM D5185m	>10	<b>1</b>	10	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

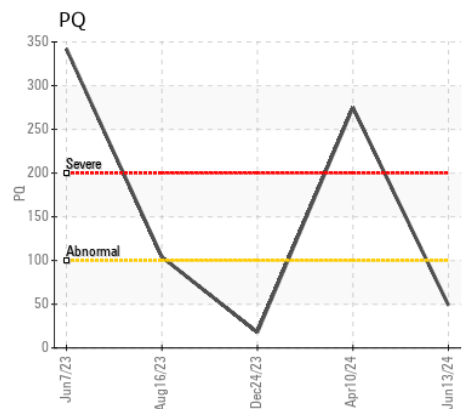
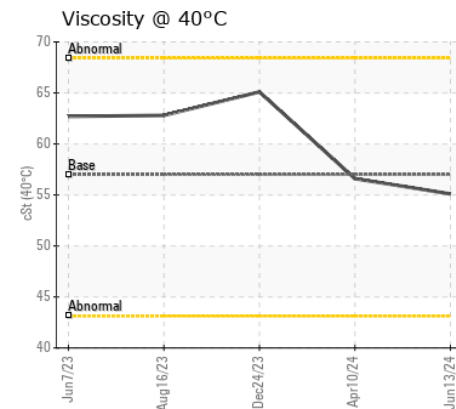
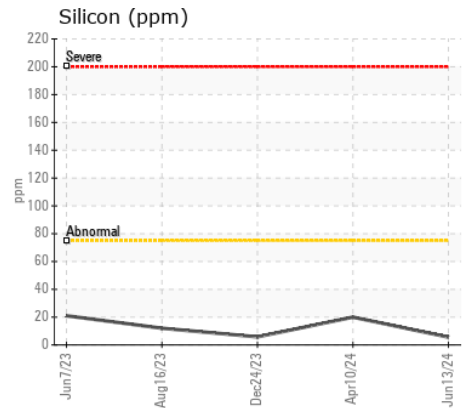
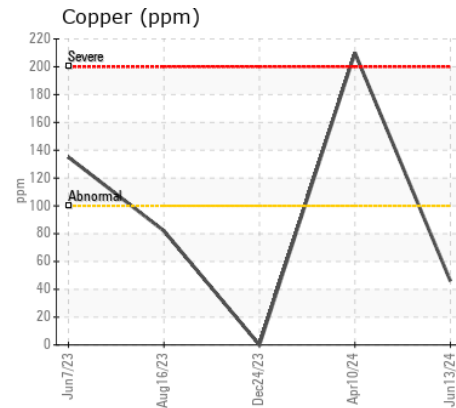
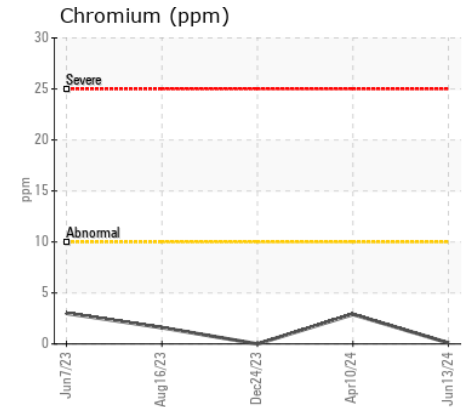
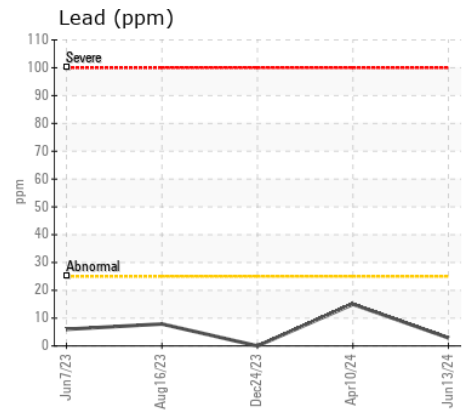
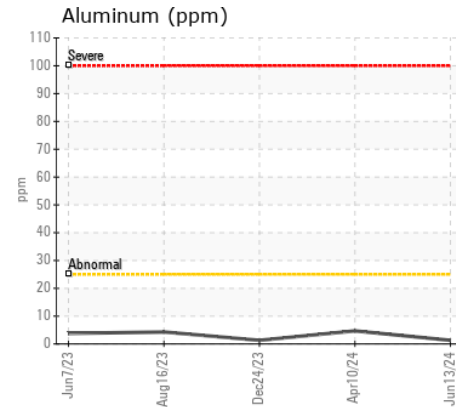
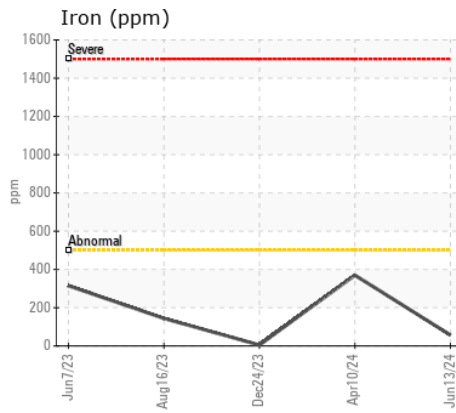
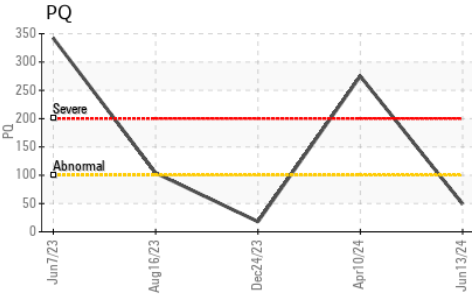
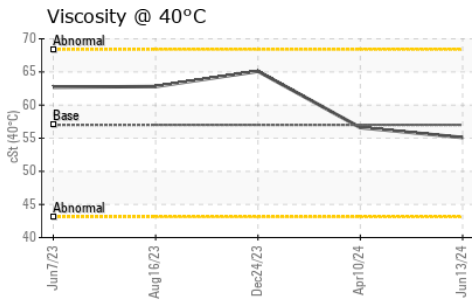
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>6</b>	20	6
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	0
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	▲ MODER
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	>.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>4</b>	14	0
Boron	ppm	ASTM D5185m	6	<b>12</b>	68	47
Barium	ppm	ASTM D5185m	0	<b>0</b>	3	0
Molybdenum	ppm	ASTM D5185m	0	<b>6</b>	28	38
Manganese	ppm	ASTM D5185m		<b>4</b>	35	0
Magnesium	ppm	ASTM D5185m	145	<b>101</b>	155	211
Calcium	ppm	ASTM D5185m	3570	<b>2935</b>	3337	2830
Phosphorus	ppm	ASTM D5185m	1290	<b>1011</b>	1116	1028
Zinc	ppm	ASTM D5185m	1640	<b>1171</b>	1287	1167
Sulfur	ppm	ASTM D5185m		<b>3705</b>	4262	3285
Visc @ 40°C	cSt	ASTM D445	57.0	<b>55.1</b>	56.6	65.1



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0197117 **Received** : 17 Jun 2024  
**Lab Number** : 06212050 **Tested** : 18 Jun 2024  
**Unique Number** : 11084914 **Diagnosed** : 19 Jun 2024 - Sean Felton  
**Test Package** : MOBCE ( Additional Tests: PQ )

**JRE - HOPE MILLS/FAYETTEVILLE**  
 5039 HWY 301 SOUTH  
 HOPE MILLS, NC  
 US 28348  
 Contact: FAYETTEVILLE SHOP  
 stephen.mullis@jamesriverequipment.com; panastasio@wearcheck.com  
 T:  
 F:

Certificate L2367  
 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)