



WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id  
**JOHN DEERE 6115M 1LV3025EKHH108461**

Component  
**Hydraulic System**

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

### RECOMMENDATION

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.

### WEAR

All component wear rates are normal.

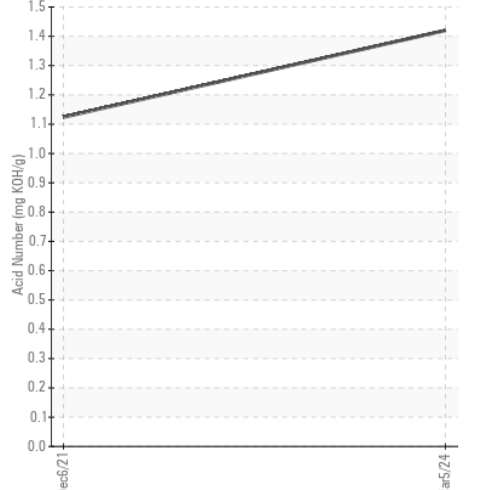
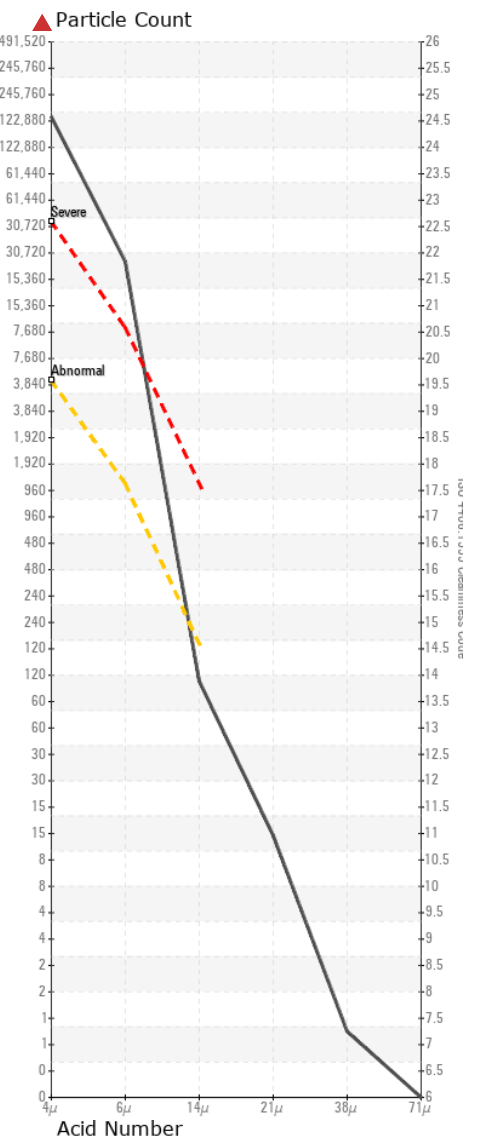
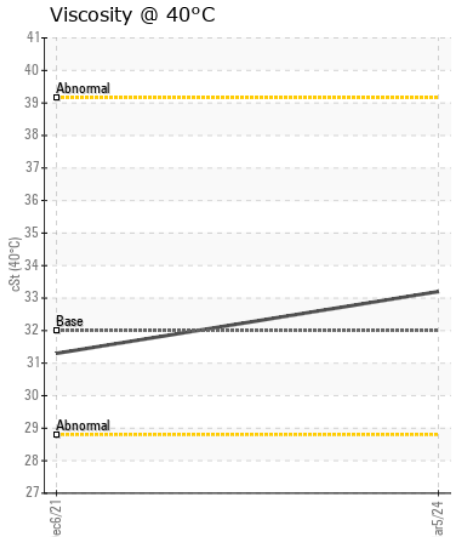
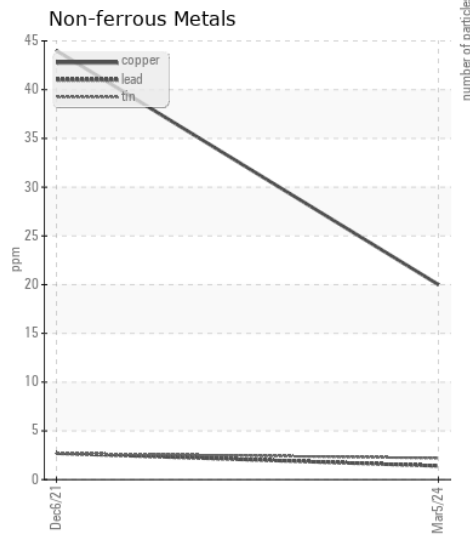
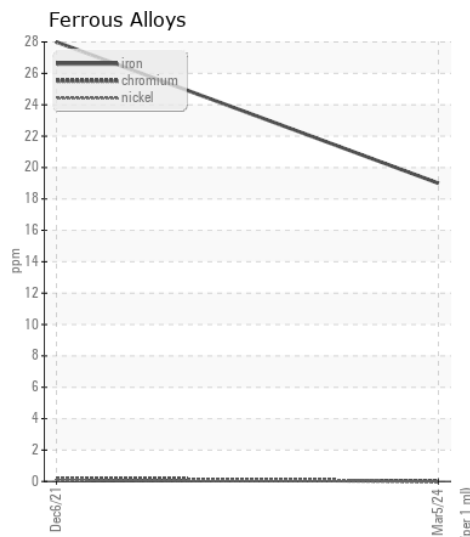
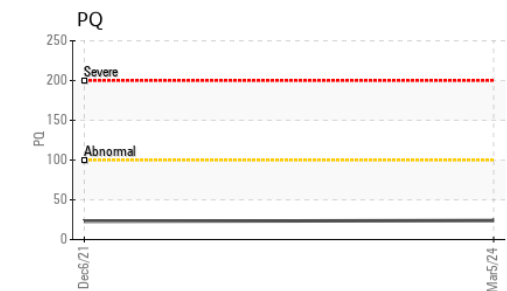
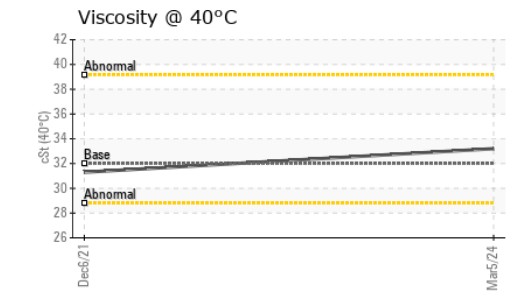
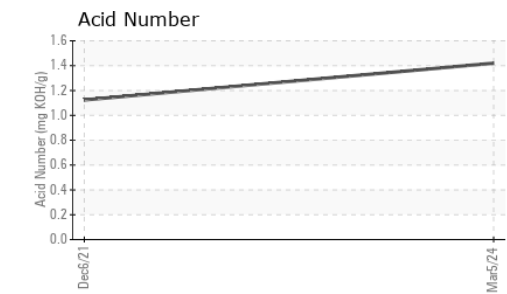
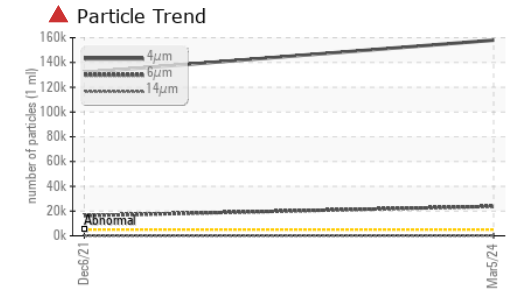
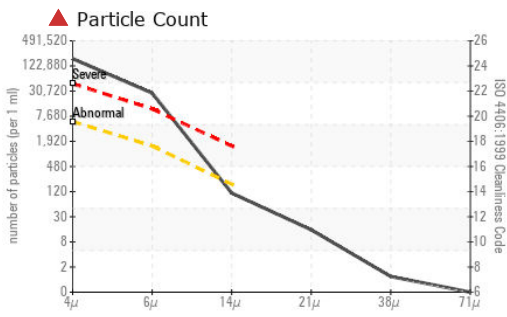
### CONTAMINATION

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

### FLUID CONDITION

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0189835	JR0093450	---
Sample Date		Client Info		05 Mar 2024	06 Dec 2021	---
Machine Age	hrs	Client Info		259	151	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				SEVERE	ABNORMAL	---
PQ		ASTM D8184		24	23	---
Iron	ppm	ASTM D5185m	>20	19	28	---
Chromium	ppm	ASTM D5185m	>10	0	<1	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		<1	<1	---
Aluminum	ppm	ASTM D5185m	>10	2	2	---
Lead	ppm	ASTM D5185m	>10	1	3	---
Copper	ppm	ASTM D5185m	>75	20	44	---
Tin	ppm	ASTM D5185m	>10	2	3	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>20	6	9	---
Potassium	ppm	ASTM D5185m	>20	0	4	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	▲ 158016	▲ 131919	---
Particles >6µm		ASTM D7647	>1300	▲ 23781	▲ 16292	---
Particles >14µm		ASTM D7647	>160	98	37	---
Particles >21µm		ASTM D7647	>40	13	8	---
Particles >38µm		ASTM D7647	>10	1	0	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 24/22/14	▲ 24/21/12	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---
Sodium	ppm	ASTM D5185m		<1	5	---
Boron	ppm	ASTM D5185m		0	3	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	<1	---
Manganese	ppm	ASTM D5185m		<1	2	---
Magnesium	ppm	ASTM D5185m		91	99	---
Calcium	ppm	ASTM D5185m		3640	3616	---
Phosphorus	ppm	ASTM D5185m		1056	1056	---
Zinc	ppm	ASTM D5185m		1269	1189	---
Sulfur	ppm	ASTM D5185m		4034	3212	---
Acid Number (AN)	mg KOH/g	ASTM D8045		1.42	1.124	---
Visc @ 40°C	cSt	ASTM D445	32	33.2	31.3	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0189835 **Received** : 19 Mar 2024  
**Lab Number** : 06122267 **Tested** : 20 Mar 2024  
**Unique Number** : 10936418 **Diagnosed** : 20 Mar 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - LA CROSSE**  
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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)