



WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 2025R 1LV2025RCJJ104080
 Component
Hydraulic System
 Fluid
JOHN DEERE HY-GARD HYD/TRANS LOW VIS (--- QTS)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0189743	JR0093439	JR0048360
Sample Date		Client Info		17 Apr 2024	28 Dec 2021	23 Jan 2021
Machine Age	hrs	Client Info		470	265	197
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

The iron level is abnormal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	77	68	52
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		2	2	2
Aluminum	ppm	ASTM D5185m	>10	4	5	4
Lead	ppm	ASTM D5185m	>10	6	5	4
Copper	ppm	ASTM D5185m	>75	50	50	41
Tin	ppm	ASTM D5185m	>10	2	2	2
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	VLITE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

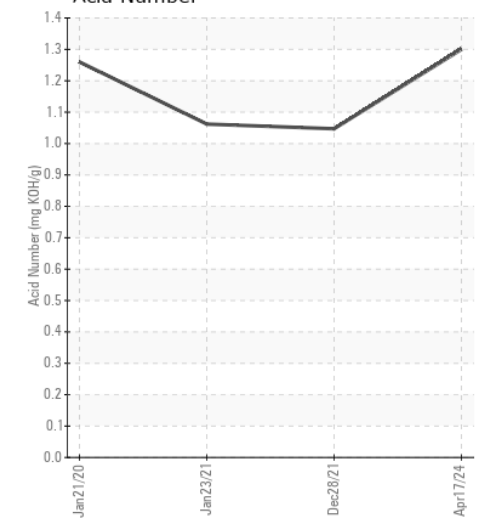
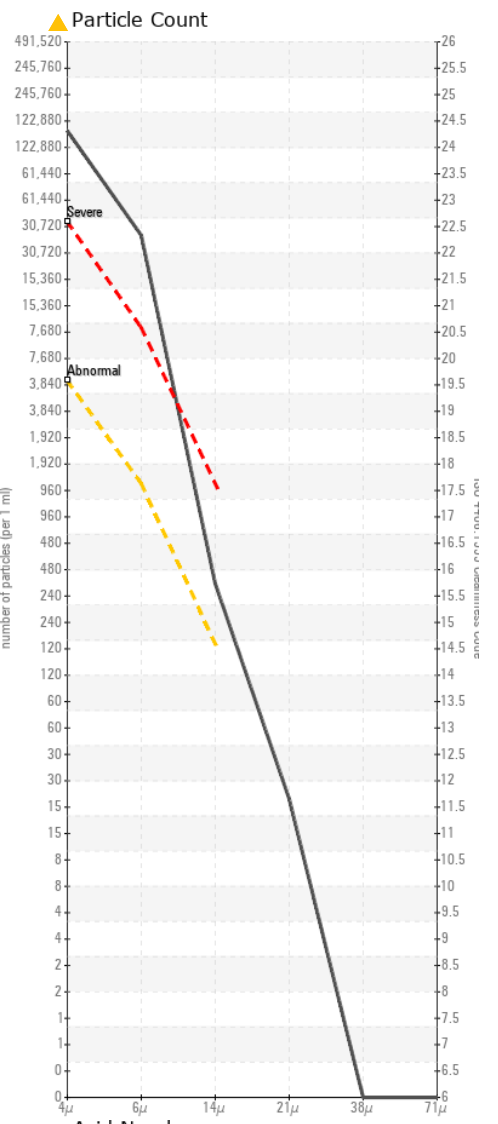
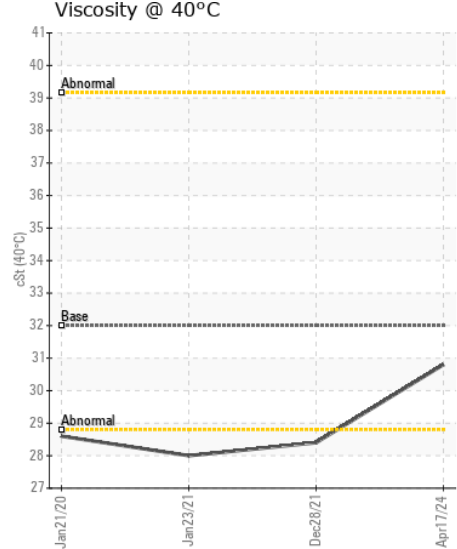
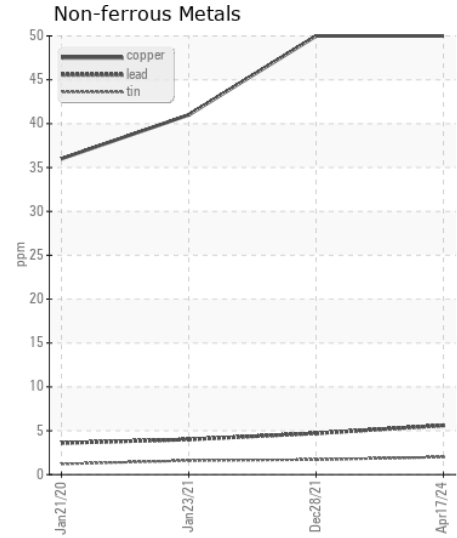
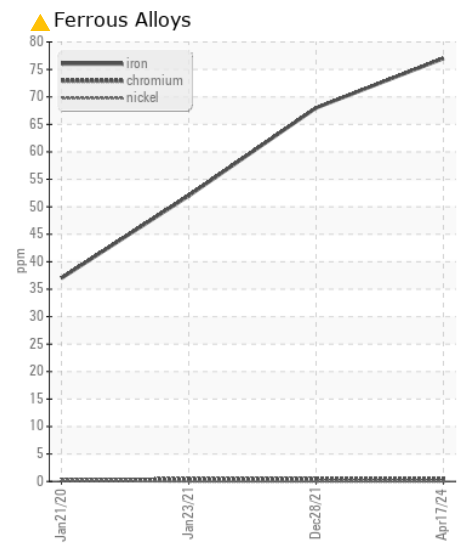
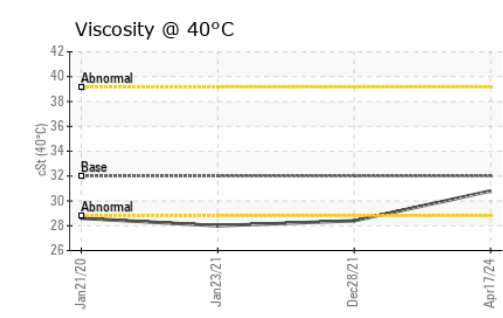
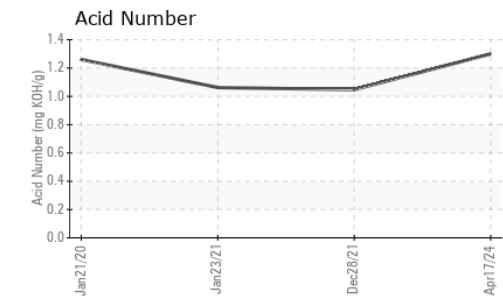
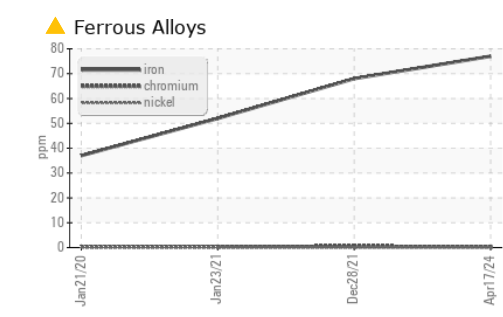
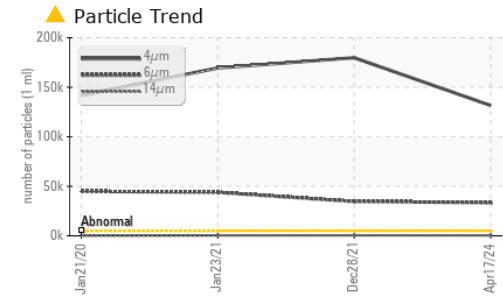
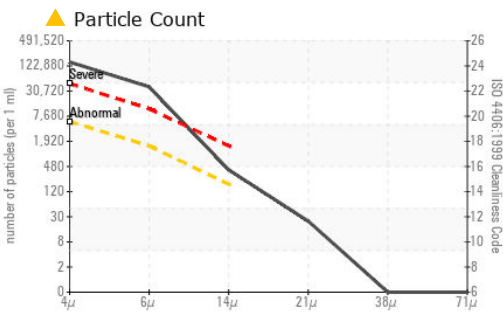
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	18	18	18
Potassium	ppm	ASTM D5185m	>20	1	3	1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	131619	179789	169424
Particles >6µm		ASTM D7647	>1300	33496	34616	43925
Particles >14µm		ASTM D7647	>160	351	413	354
Particles >21µm		ASTM D7647	>40	21	26	22
Particles >38µm		ASTM D7647	>10	0	3	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	24/22/16	25/22/16	25/23/16
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

Sodium	ppm	ASTM D5185m		4	0	5
Boron	ppm	ASTM D5185m		1	4	5
Barium	ppm	ASTM D5185m		3	3	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m		91	93	99
Calcium	ppm	ASTM D5185m		3278	3353	3489
Phosphorus	ppm	ASTM D5185m		882	1003	1042
Zinc	ppm	ASTM D5185m		1162	1220	1203
Sulfur	ppm	ASTM D5185m		4025	3358	3130
Acid Number (AN)	mg KOH/g	ASTM D8045		1.30	1.047	1.062
Visc @ 40°C	cSt	ASTM D445	32	30.8	28.4	28.0



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0189743 **Received** : 22 Apr 2024
Lab Number : 06155788 **Tested** : 23 Apr 2024
Unique Number : 10991211 **Diagnosed** : 24 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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 LA CROSSE, VA
 US 23950-1807
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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)