



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
[W17279 CAMPBELL]
 Machine Id
JOHN DEERE 2025R 1LV2025RJFH119795
 Component
Hydraulic System
 Fluid
JOHN DEERE HY-GARD HYD/TRANS LOW VIS (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0148877	JR0117588	JR0082049
Sample Date		Client Info		04 Jan 2023	25 Feb 2022	24 Mar 2021
Machine Age	hrs	Client Info		200	175	141
Oil Age	hrs	Client Info		0	0	141
Filter Age	hrs	Client Info		0	0	141
Oil Changed		Client Info		Not Chngd	Not Chngd	Not Chngd
Filter Changed		Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	26	22	19
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		0	0	0
Aluminum	ppm	ASTM D5185m	>10	5	6	4
Lead	ppm	ASTM D5185m	>10	3	2	2
Copper	ppm	ASTM D5185m	>75	22	17	14
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

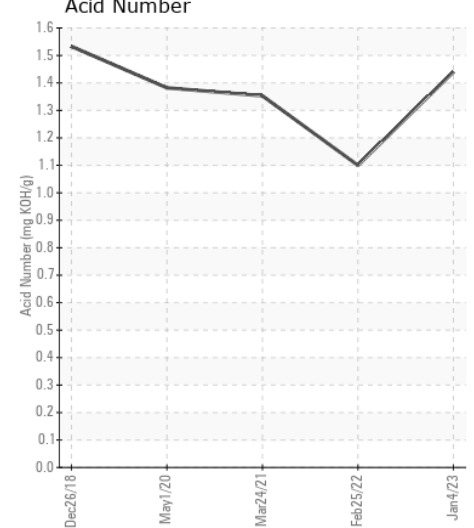
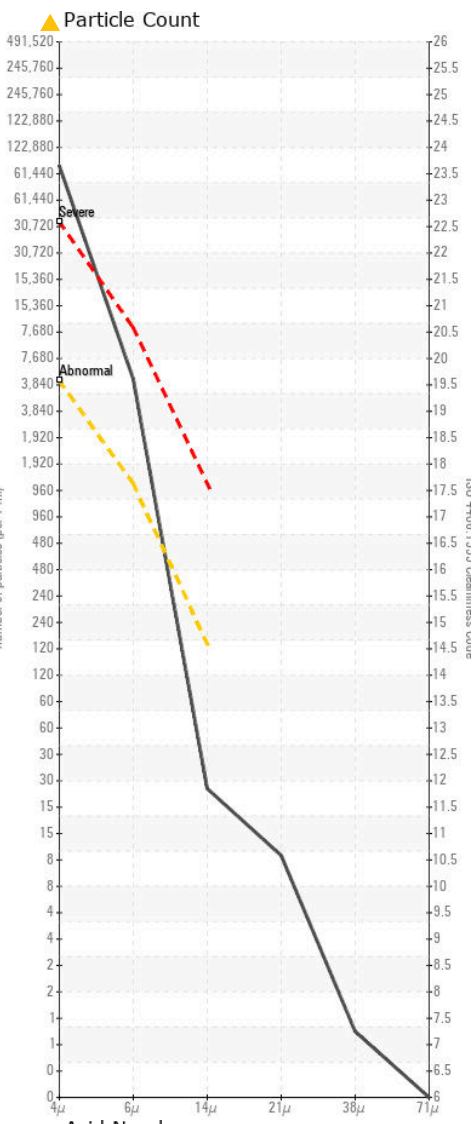
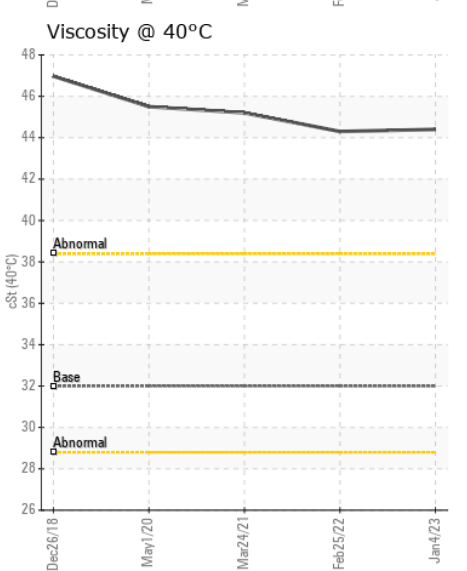
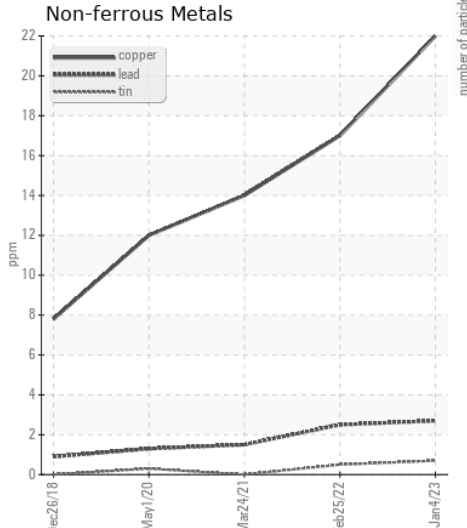
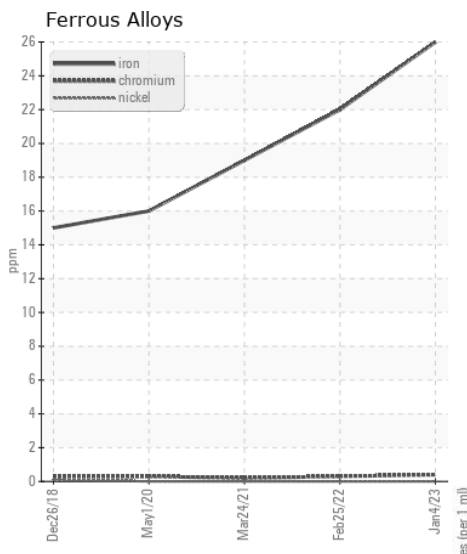
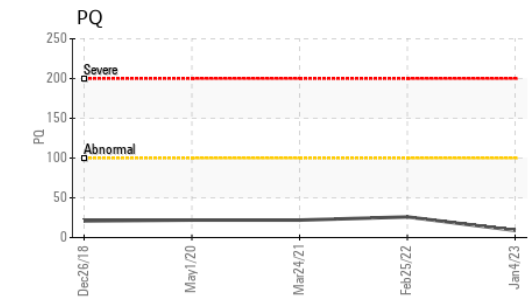
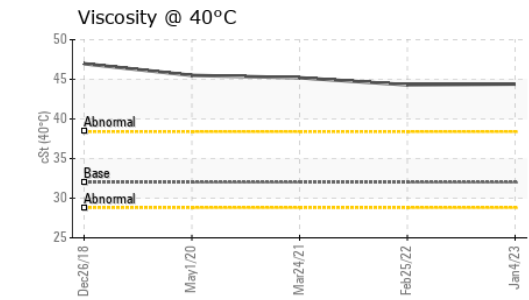
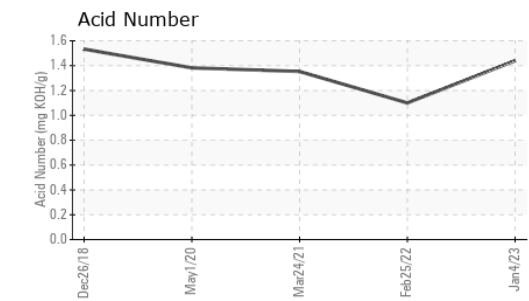
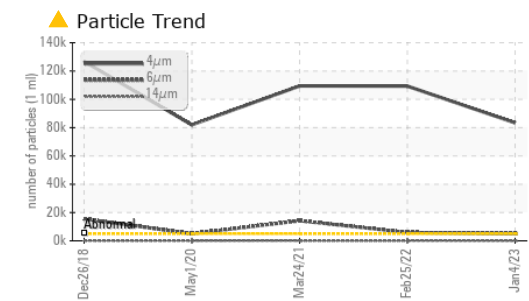
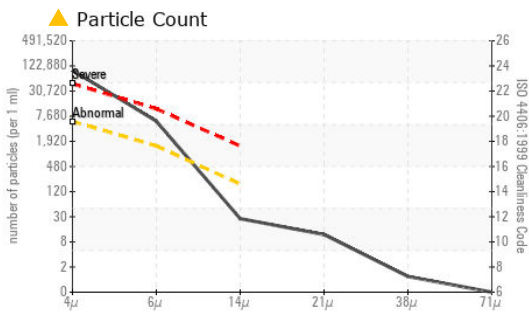
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	12	11	10
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 83368	▲ 109329	▲ 109459
Particles >6µm		ASTM D7647	>1300	▲ 5105	▲ 5862	▲ 14206
Particles >14µm		ASTM D7647	>160	24	122	136
Particles >21µm		ASTM D7647	>40	10	32	29
Particles >38µm		ASTM D7647	>10	1	2	2
Particles >71µm		ASTM D7647	>3	0	0	2
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 24/20/12	▲ 24/20/14	▲ 24/21/14
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	VLITE	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		8	7	7
Boron	ppm	ASTM D5185m		<1	2	1
Barium	ppm	ASTM D5185m		5	<1	0
Molybdenum	ppm	ASTM D5185m		<1	1	0
Manganese	ppm	ASTM D5185m		1	1	1
Magnesium	ppm	ASTM D5185m		30	29	16
Calcium	ppm	ASTM D5185m		3997	3677	3962
Phosphorus	ppm	ASTM D5185m		914	911	900
Zinc	ppm	ASTM D5185m		975	926	976
Sulfur	ppm	ASTM D5185m		5483	3994	3727
Acid Number (AN)	mg KOH/g	ASTM D8045		1.44	1.10	1.353
Visc @ 40°C	cSt	ASTM D445	32	44.4	44.3	45.2



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0148877 **Received** : 11 Jan 2023
Lab Number : 05736596 **Diagnosed** : 12 Jan 2023
Unique Number : 10286194 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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