



WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 3025E 1LV3025ETJJ124820

Component
Hydraulic System

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

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0189662	JR0135506	JR0093496
Sample Date		Client Info		28 Dec 2023	06 Dec 2022	14 Dec 2021
Machine Age	hrs	Client Info		122	93	73
Oil Age	hrs	Client Info		0	93	0
Filter Age	hrs	Client Info		0	93	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. All other component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	▲ 54	▲ 41	▲ 37
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	<1	<1
Aluminum	ppm	ASTM D5185m	>10	2	2	2
Lead	ppm	ASTM D5185m	>10	4	4	3
Copper	ppm	ASTM D5185m	>75	48	38	37
Tin	ppm	ASTM D5185m	>10	2	2	2
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

Moderate concentration of visible dirt/debris present in the oil.

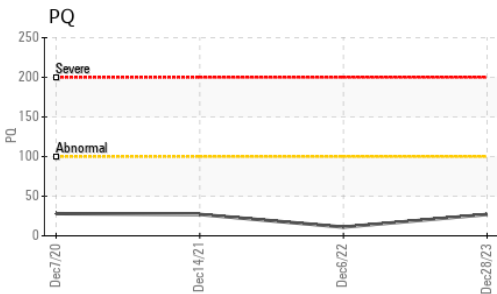
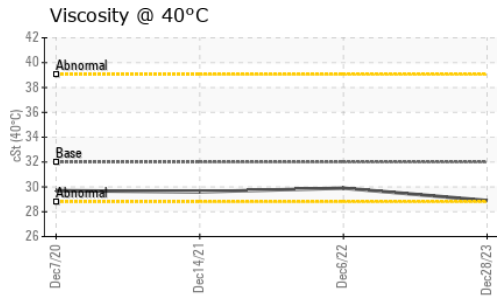
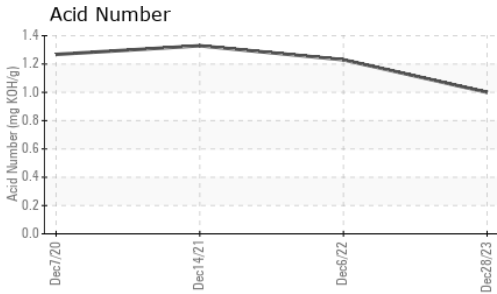
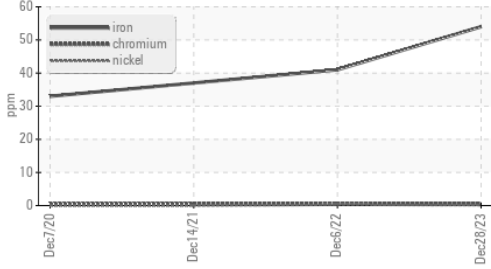
Silicon	ppm	ASTM D5185m	>20	12	10	11
Potassium	ppm	ASTM D5185m	>20	6	2	4
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	---	▲ 130236	▲ 171840
Particles >6µm		ASTM D7647	>1300	---	▲ 33954	▲ 27765
Particles >14µm		ASTM D7647	>160	---	106	80
Particles >21µm		ASTM D7647	>40	---	10	7
Particles >38µm		ASTM D7647	>10	---	1	0
Particles >71µm		ASTM D7647	>3	---	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	---	▲ 24/22/14	▲ 25/22/13
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	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

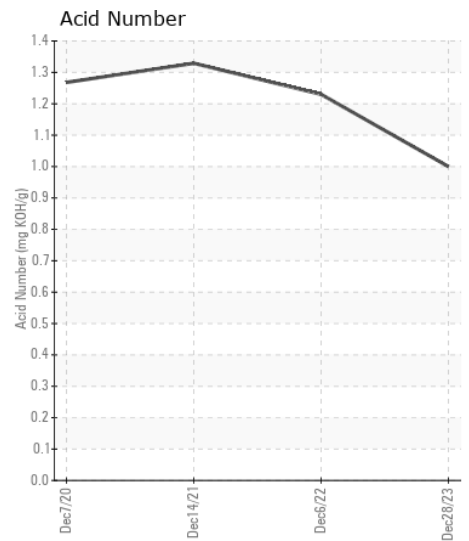
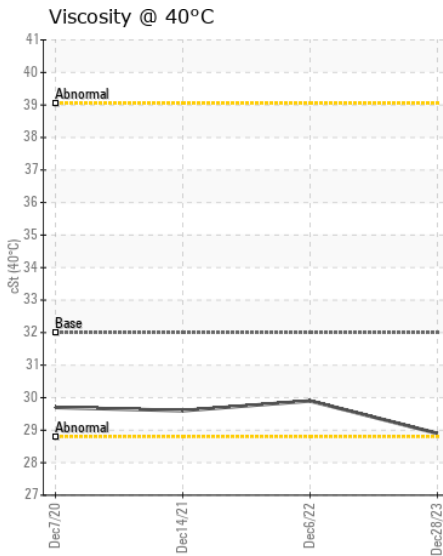
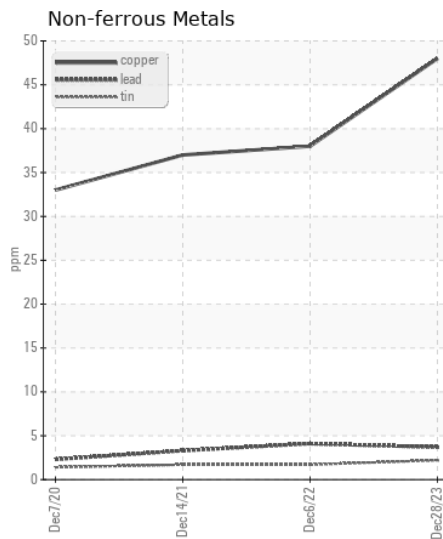
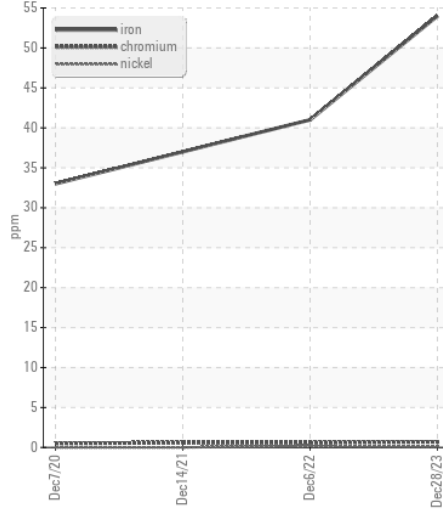
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		2	4	5
Boron	ppm	ASTM D5185m		2	3	7
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		3	2	2
Magnesium	ppm	ASTM D5185m		106	89	101
Calcium	ppm	ASTM D5185m		3819	3378	3689
Phosphorus	ppm	ASTM D5185m		1171	927	1066
Zinc	ppm	ASTM D5185m		1425	1140	1278
Sulfur	ppm	ASTM D5185m		4483	3690	3157
Acid Number (AN)	mg KOH/g	ASTM D8045		1.00	1.23	1.329
Visc @ 40°C	cSt	ASTM D445	32	28.9	29.9	29.6

▲ Ferrous Alloys



▲ Ferrous Alloys



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0189662 **Received** : 11 Jan 2024
Lab Number : 06057998 **Diagnosed** : 12 Jan 2024
Unique Number : 10829380 **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)

JRE - LA CROSSE

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