



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 844L 1DW844LXANL715466

Component
Transmission

Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- 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		JR0202725	JR0183384	JR0181360
Sample Date		Client Info		23 Feb 2024	06 Oct 2023	09 Aug 2023
Machine Age	hrs	Client Info		3595	2112	2112
Oil Age	hrs	Client Info		3595	2112	2112
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Not Changed	Not Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

Gear wear is indicated.

PQ		ASTM D8184	>100	36	33	40
Iron	ppm	ASTM D5185m	>61	▲ 155	▲ 171	▲ 194
Chromium	ppm	ASTM D5185m	>10	<1	3	<1
Nickel	ppm	ASTM D5185m		<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>20	4	8	10
Lead	ppm	ASTM D5185m	>9	<1	0	2
Copper	ppm	ASTM D5185m	>100	54	53	54
Tin	ppm	ASTM D5185m	>3	3	3	4
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

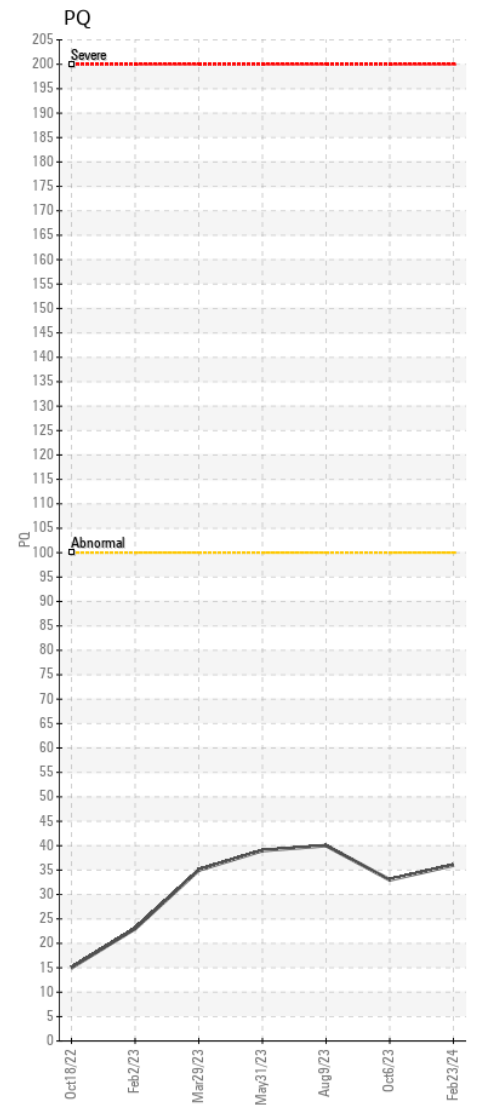
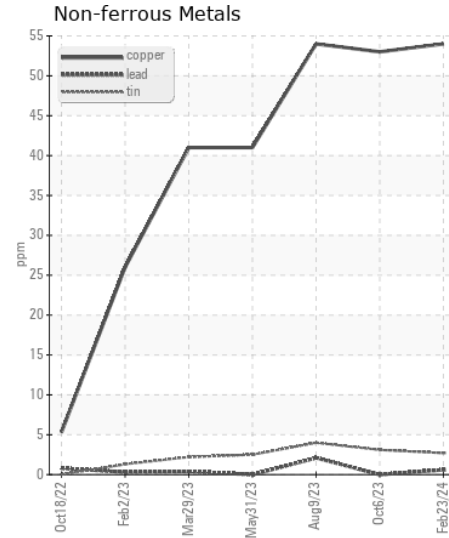
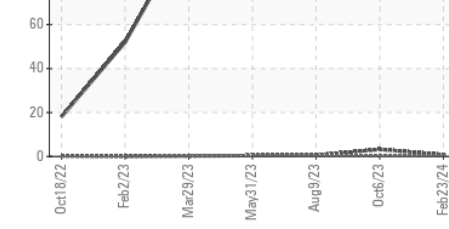
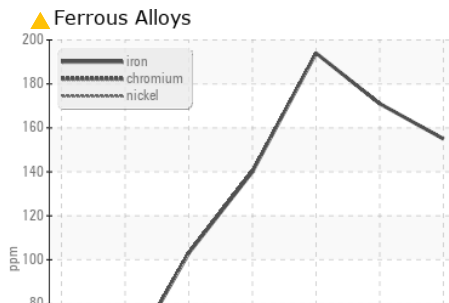
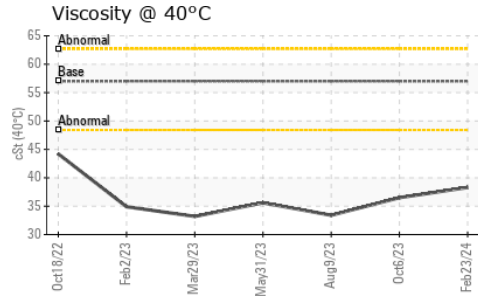
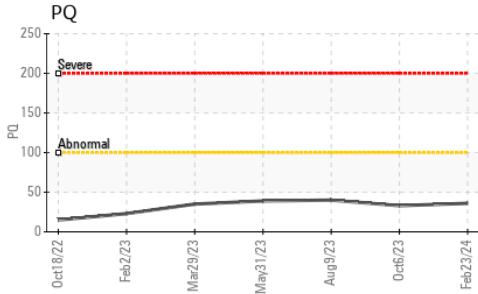
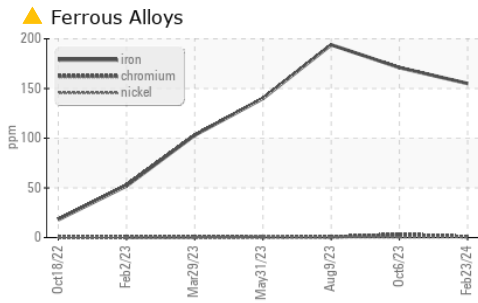
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>21	9	10	11
Potassium	ppm	ASTM D5185m	>20	2	4	4
Water		WC Method	>0.075	NEG	NEG	NEG
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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>30	16	28	40
Boron	ppm	ASTM D5185m	6	64	▲ 72	78
Barium	ppm	ASTM D5185m	0	6	0	0
Molybdenum	ppm	ASTM D5185m	0	1	<1	2
Manganese	ppm	ASTM D5185m		2	1	4
Magnesium	ppm	ASTM D5185m	145	37	▲ 34	<1
Calcium	ppm	ASTM D5185m	3570	1408	▲ 1278	213
Phosphorus	ppm	ASTM D5185m	1290	565	▲ 614	350
Zinc	ppm	ASTM D5185m	1640	547	▲ 590	163
Sulfur	ppm	ASTM D5185m		1888	▲ 1724	804
Visc @ 40°C	cSt	ASTM D445	57.0	38.3	36.5	33.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0202725 **Received** : 23 Feb 2024
Lab Number : 06099329 **Tested** : 26 Feb 2024
Unique Number : 10897559 **Diagnosed** : 27 Feb 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

FUQUAY - MARTIN MARIETTA
 7400 BUCKHORN DUNCAN RD
 HOLLY SPRINGS, NC
 US 27549
 Contact: DARIN HESS
 darin.hess@martinmarietta.com

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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