



WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 1DW768LBHMF712696

Component
Brake

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

RECOMMENDATION

The fluid change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0171434	JR0155025	JR0128390
Sample Date		Client Info		26 Jun 2023	18 Jan 2023	01 Sep 2022
Machine Age	hrs	Client Info		1984	1505	1004
Oil Age	hrs	Client Info		1984	500	0
Filter Age	hrs	Client Info		0	500	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				SEVERE	NORMAL	SEVERE

WEAR

The aluminum level is severe. The iron level is abnormal.

PQ		ASTM D8184		24	5	284
Iron	ppm	ASTM D5185m	>350	▲ 509	4	▲ 626
Chromium	ppm	ASTM D5185m	>5	1	<1	1
Nickel	ppm	ASTM D5185m	>5	1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>8	◆ 446	1	◆ 556
Lead	ppm	ASTM D5185m	>10	3	<1	9
Copper	ppm	ASTM D5185m	>150	2	0	2
Tin	ppm	ASTM D5185m	>5	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

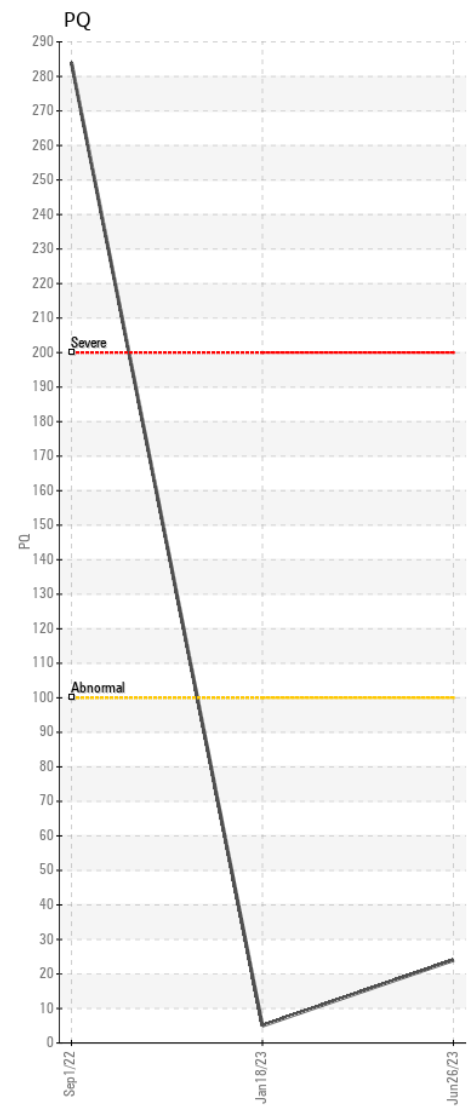
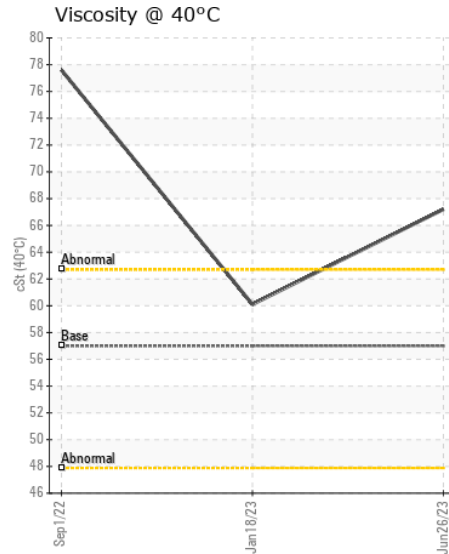
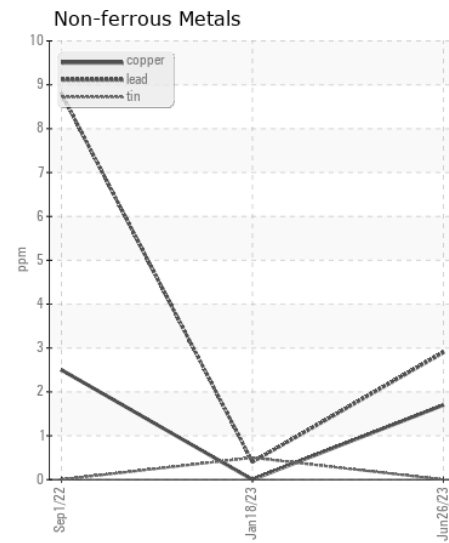
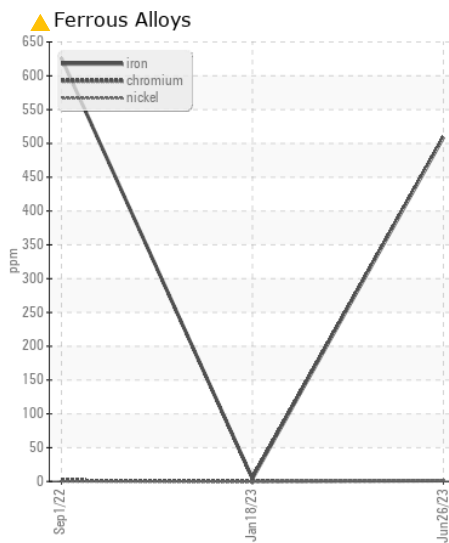
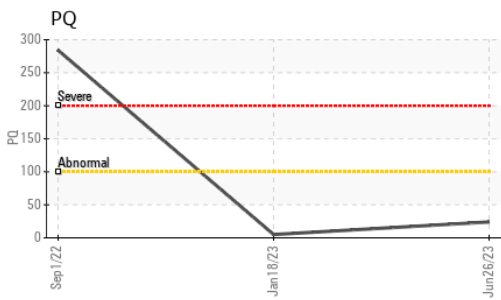
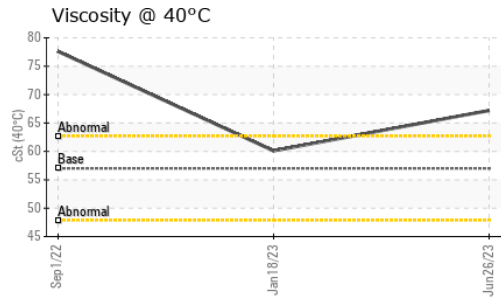
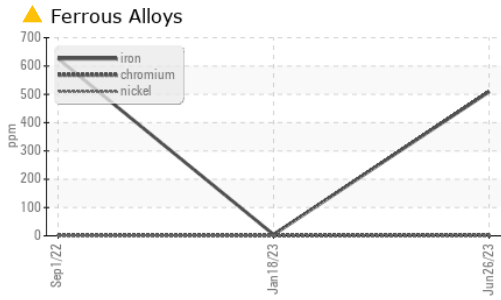
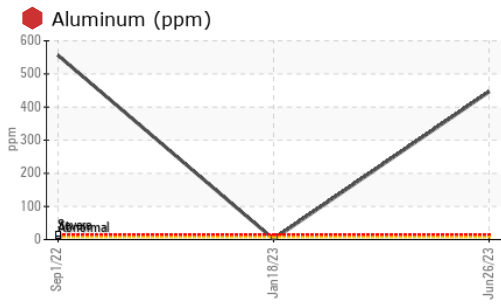
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>400	217	6	380
Potassium	ppm	ASTM D5185m	>20	9	0	9
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185m		25	<1	34
Boron	ppm	ASTM D5185m	6	37	3	80
Barium	ppm	ASTM D5185m	0	93	0	139
Molybdenum	ppm	ASTM D5185m	0	544	<1	322
Manganese	ppm	ASTM D5185m		4	<1	5
Magnesium	ppm	ASTM D5185m	145	163	98	246
Calcium	ppm	ASTM D5185m	3570	3743	3535	1233
Phosphorus	ppm	ASTM D5185m	1290	1099	972	716
Zinc	ppm	ASTM D5185m	1640	892	1219	687
Sulfur	ppm	ASTM D5185m		6412	3990	2373
Visc @ 40°C	cSt	ASTM D445	57.0	67.2	60.1	77.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0171434 **Received** : 28 Jun 2023
Lab Number : 05885810 **Diagnosed** : 30 Jun 2023
Unique Number : 10536293 **Diagnostician** : Angela Borella
Test Package : CONST (Additional Tests: PQ)

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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)