



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
NORMAL
NORMAL

Machine Id
JOHN DEERE 824L 1DW824LKCKL697341

Component
Brake

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

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		WE0006297	WE0002393	WE0001725
Sample Date		Client Info		20 Feb 2024	06 Oct 2022	12 Jul 2022
Machine Age	hrs	Client Info		4951	3551	2977
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Changed
Filter Changed		Client Info		N/A	Not Changd	Changed
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR

An increase in the iron level is noted.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		74	---	---
Iron	ppm	ASTM D5185m	>350	▲ 170	3	<1
Chromium	ppm	ASTM D5185m	>5	<1	1	0
Nickel	ppm	ASTM D5185m	>5	1	1	0
Titanium	ppm	ASTM D5185m		4	1	0
Silver	ppm	ASTM D5185m		<1	1	0
Aluminum	ppm	ASTM D5185m	>8	<1	<1	<1
Lead	ppm	ASTM D5185m	>10	127	<1	0
Copper	ppm	ASTM D5185m	>150	2	2	0
Tin	ppm	ASTM D5185m	>5	<1	1	0
Vanadium	ppm	ASTM D5185m		<1	2	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

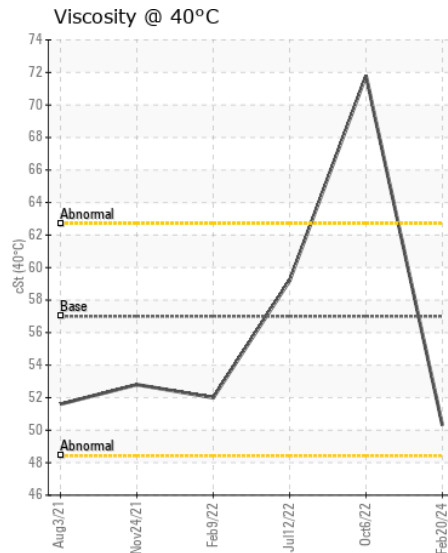
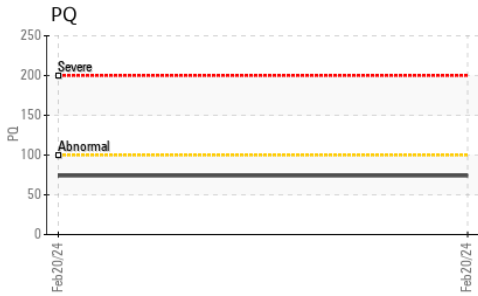
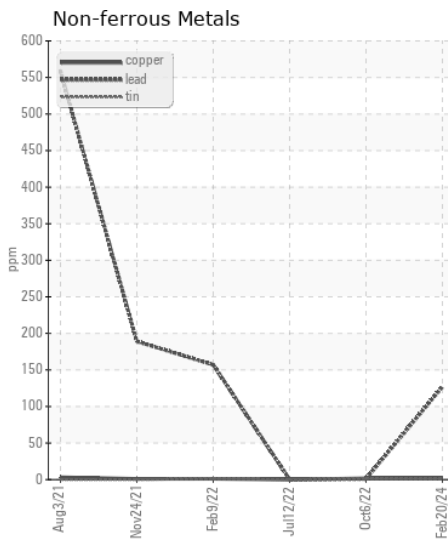
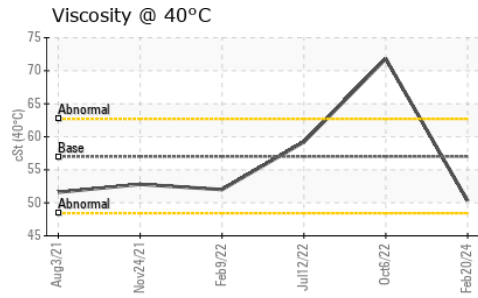
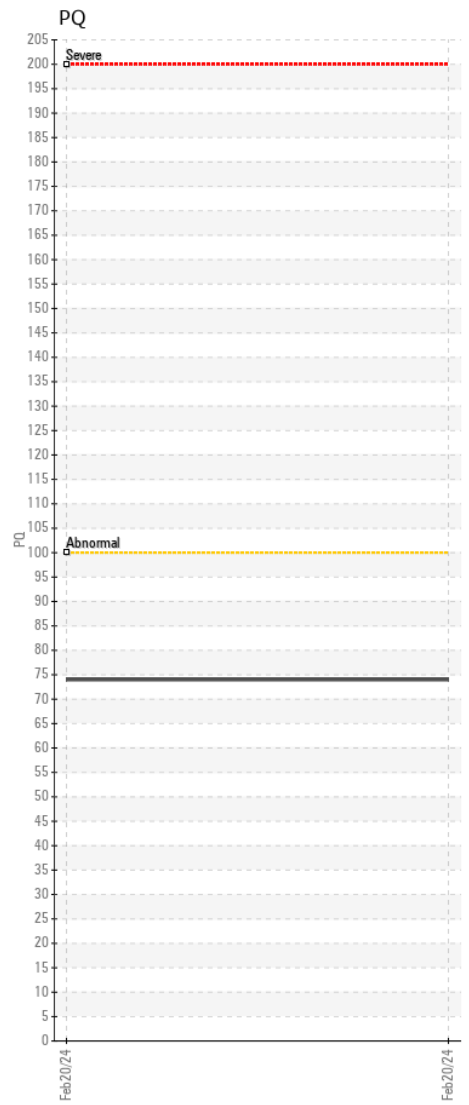
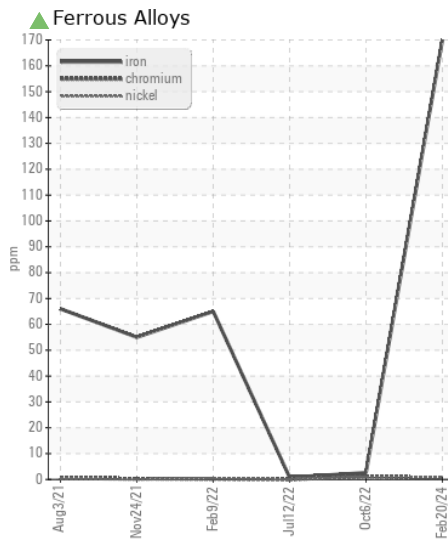
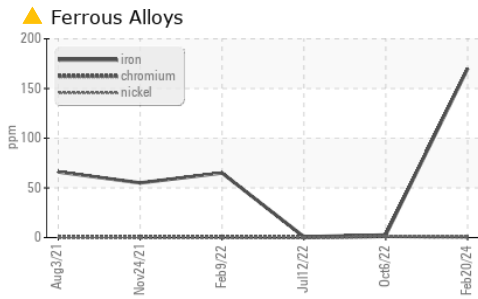
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>400	282	8	4
Potassium	ppm	ASTM D5185m	>20	4	2	0
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 condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		18	2	0
Boron	ppm	ASTM D5185m	6	3	78	0
Barium	ppm	ASTM D5185m	0	8	<1	0
Molybdenum	ppm	ASTM D5185m	0	6	69	<1
Manganese	ppm	ASTM D5185m		4	1	<1
Magnesium	ppm	ASTM D5185m	145	85	299	104
Calcium	ppm	ASTM D5185m	3570	923	2810	3575
Phosphorus	ppm	ASTM D5185m	1290	941	950	994
Zinc	ppm	ASTM D5185m	1640	780	1177	1232
Sulfur	ppm	ASTM D5185m		3280	3685	4174
Visc @ 40°C	cSt	ASTM D445	57.0	50.3	71.8	59.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0006297
Lab Number : 06097931
Unique Number : 10896161
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)