



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 624L 1DW624LZHLF707672

Component
Front Differential

Fluid
TDH FLUID SAE 75W80 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0204553	JR0145700	---
Sample Date		Client Info		08 Feb 2024	08 Jan 2023	---
Machine Age	hrs	Client Info		4488	2021	---
Oil Age	hrs	Client Info		4249	0	---
Filter Age	hrs	Client Info		4249	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		12	13	---
Iron	ppm	ASTM D5185m	>500	10	41	---
Chromium	ppm	ASTM D5185m	>10	0	<1	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	<1	<1	---
Lead	ppm	ASTM D5185m	>25	0	8	---
Copper	ppm	ASTM D5185m	>100	0	7	---
Tin	ppm	ASTM D5185m	>10	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

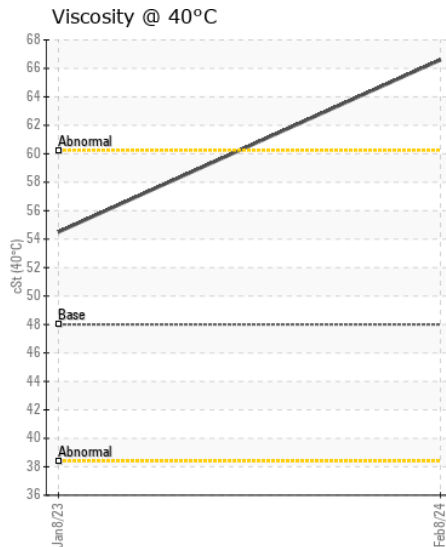
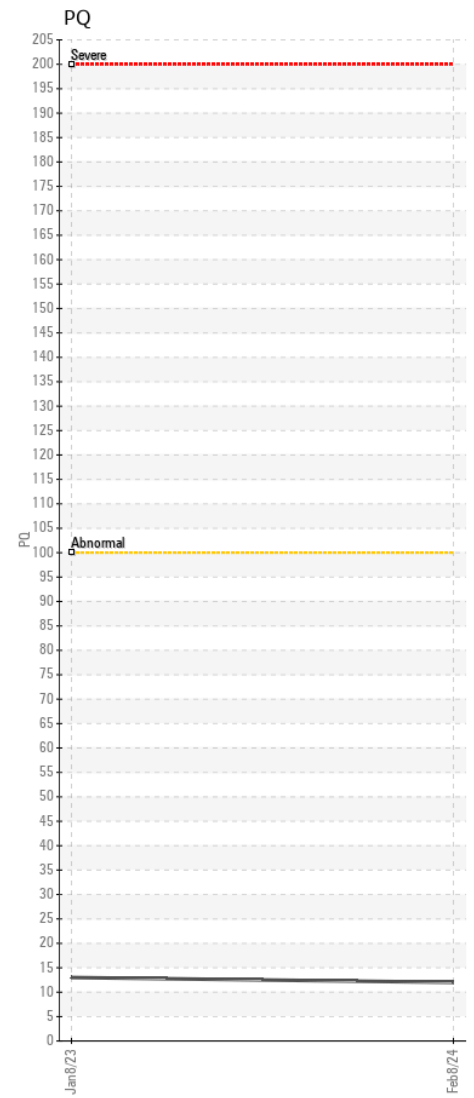
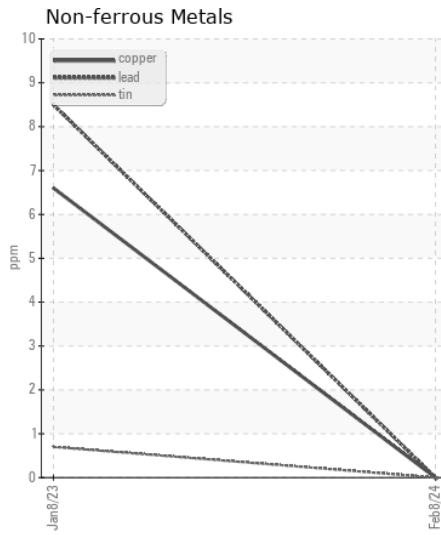
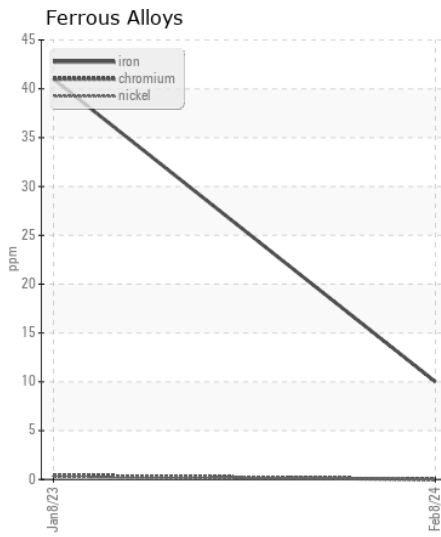
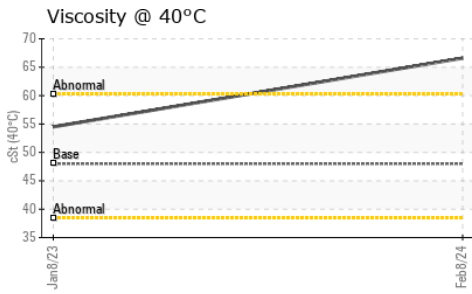
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>75	5	6	---
Potassium	ppm	ASTM D5185m	>20	<1	0	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	2	---
Boron	ppm	ASTM D5185m	10	66	<1	---
Barium	ppm	ASTM D5185m	10	<1	0	---
Molybdenum	ppm	ASTM D5185m	10	44	<1	---
Manganese	ppm	ASTM D5185m		<1	1	---
Magnesium	ppm	ASTM D5185m	100	217	100	---
Calcium	ppm	ASTM D5185m	3500	2792	3680	---
Phosphorus	ppm	ASTM D5185m	1150	971	1003	---
Zinc	ppm	ASTM D5185m	1150	1145	1277	---
Sulfur	ppm	ASTM D5185m	5000	3576	4088	---
Visc @ 40°C	cSt	ASTM D445	48	66.6	54.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0204553

Lab Number : 06085503

Unique Number : 10872948

Test Package : CONST (Additional Tests: PQ)

Received : 09 Feb 2024

Tested : 12 Feb 2024

Diagnosed : 13 Feb 2024 - Jonathan Hester

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 - GREENSBORO

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