



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 544 P 1DW544PAKNLZ16299
 Component
Transmission (Manual)
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0158715	JR0164728	---
Sample Date		Client Info		21 Feb 2024	08 Jun 2023	---
Machine Age	hrs	Client Info		0	319	---
Oil Age	hrs	Client Info		0	319	---
Filter Age	hrs	Client Info		0	319	---
Oil Changed		Client Info		N/A	Not Changd	---
Filter Changed		Client Info		N/A	Not Changd	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	17	16	---
Iron	ppm	ASTM D5185m	>200	17	12	---
Chromium	ppm	ASTM D5185m	>5	<1	0	---
Nickel	ppm	ASTM D5185m	>5	<1	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>7	<1	0	---
Aluminum	ppm	ASTM D5185m	>25	<1	<1	---
Lead	ppm	ASTM D5185m	>45	<1	0	---
Copper	ppm	ASTM D5185m	>225	19	4	---
Tin	ppm	ASTM D5185m	>10	1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

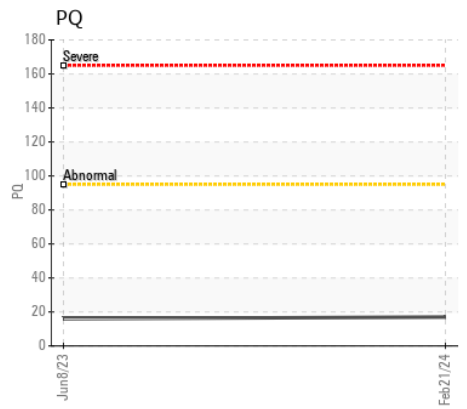
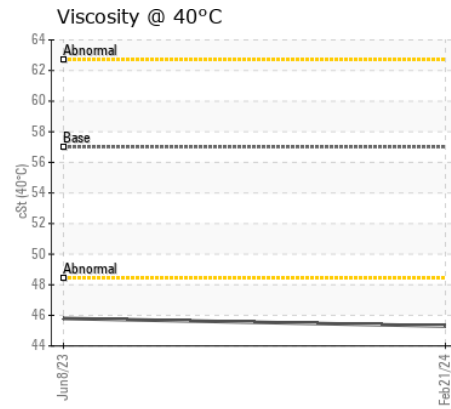
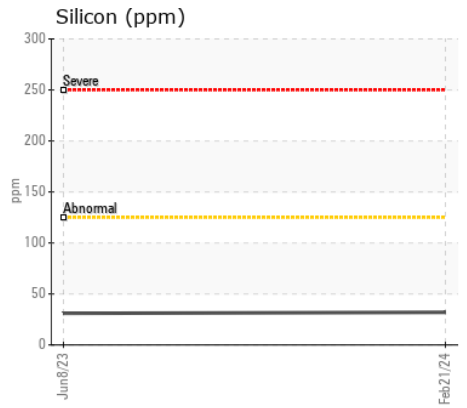
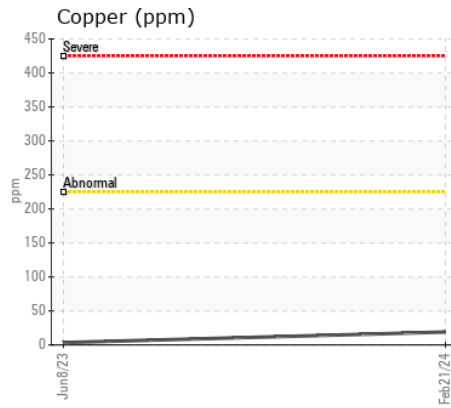
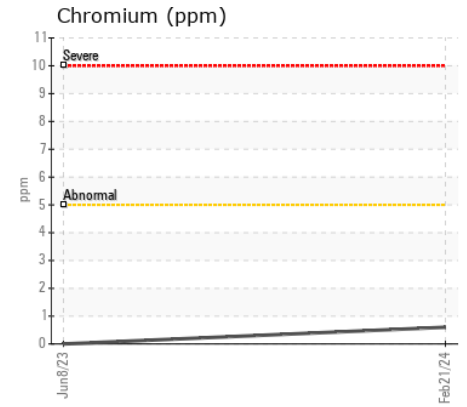
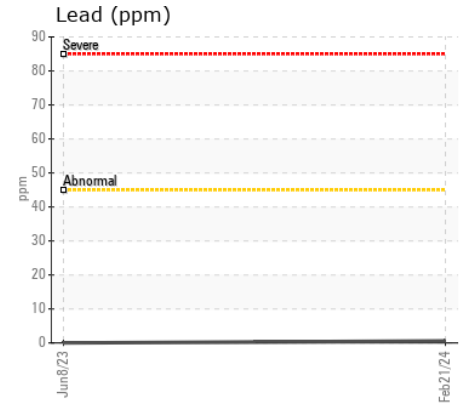
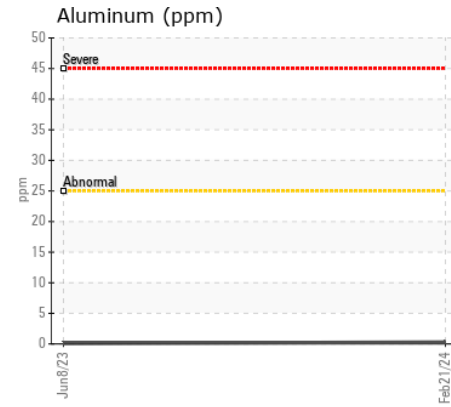
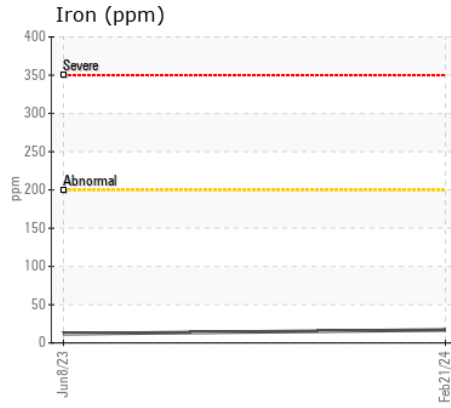
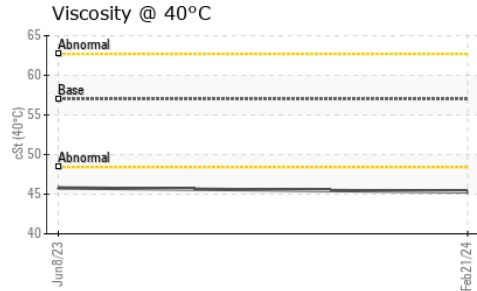
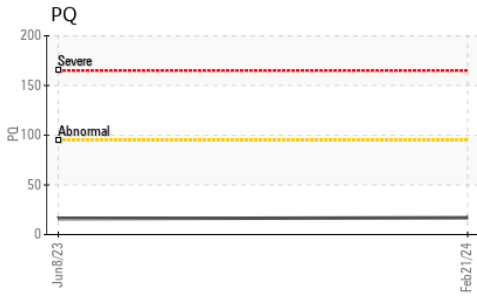
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	32	▲ 31	---
Potassium	ppm	ASTM D5185m	>20	2	0	---
Water		WC Method	>0.1	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	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		17	25	---
Boron	ppm	ASTM D5185m	6	<1	1	---
Barium	ppm	ASTM D5185m	0	6	0	---
Molybdenum	ppm	ASTM D5185m	0	2	3	---
Manganese	ppm	ASTM D5185m		1	<1	---
Magnesium	ppm	ASTM D5185m	145	86	95	---
Calcium	ppm	ASTM D5185m	3570	3072	3318	---
Phosphorus	ppm	ASTM D5185m	1290	942	974	---
Zinc	ppm	ASTM D5185m	1640	1173	1203	---
Sulfur	ppm	ASTM D5185m		3442	3996	---
Visc @ 40°C	cSt	ASTM D445	57.0	45.3	45.8	---



Certificate L2367

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

Sample No. : JR0158715

Lab Number : 06097919

Unique Number : 10896149

Test Package : MOBCE (Additional Tests: PQ)

Received : 22 Feb 2024

Tested : 25 Feb 2024

Diagnosed : 25 Feb 2024 - Don Baldrige

JRE - FISHERSVILLE

98 EXPO ROAD

FISHERSVILLE, VA

US 22939

Contact: MIKE JENKINS

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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)