



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W9027]
Machine Id
JOHN DEERE 644 P 1DW644PALPLX20815
Component
Transmission (Manual)
Fluid
JOHN DEERE HY-GARD HYD/TRANS (24 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W9027)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0197076	---	---
Sample Date		Client Info		17 Jun 2024	---	---
Machine Age	hrs	Client Info		764	---	---
Oil Age	hrs	Client Info		764	---	---
Filter Age	hrs	Client Info		764	---	---
Oil Changed		Client Info		Not Changed	---	---
Filter Changed		Client Info		Not Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	20	---	---
Iron	ppm	ASTM D5185m	>200	26	---	---
Chromium	ppm	ASTM D5185m	>5	0	---	---
Nickel	ppm	ASTM D5185m	>5	0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m	>7	0	---	---
Aluminum	ppm	ASTM D5185m	>25	<1	---	---
Lead	ppm	ASTM D5185m	>45	<1	---	---
Copper	ppm	ASTM D5185m	>225	6	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

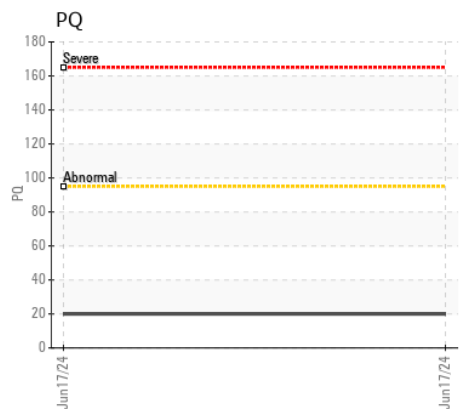
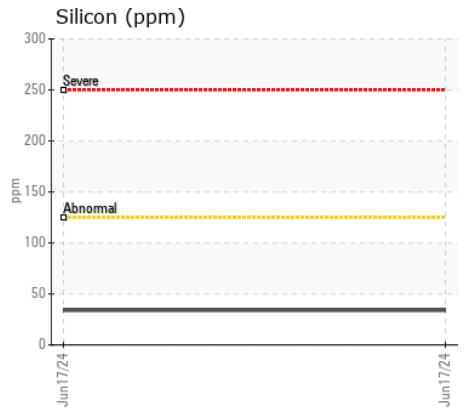
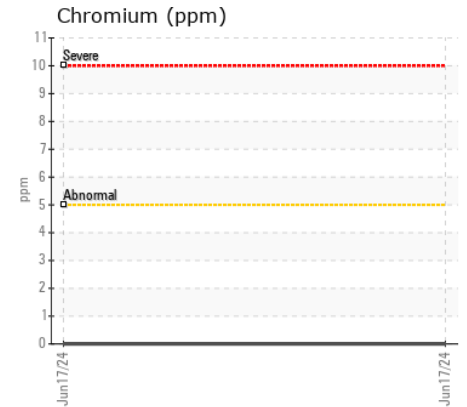
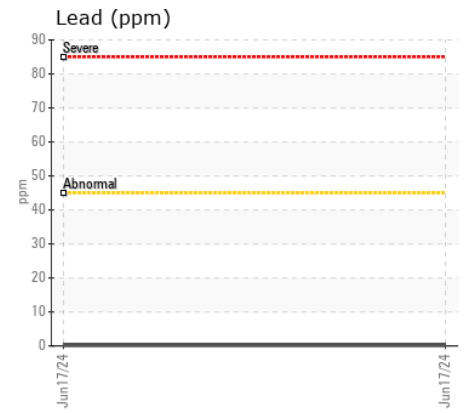
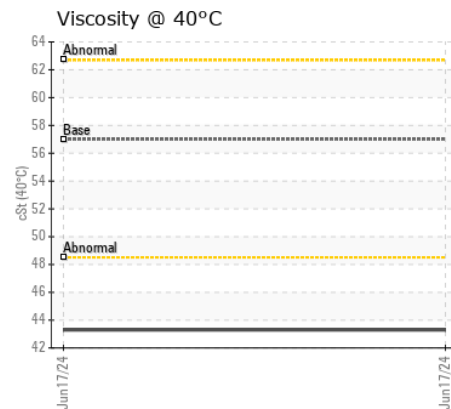
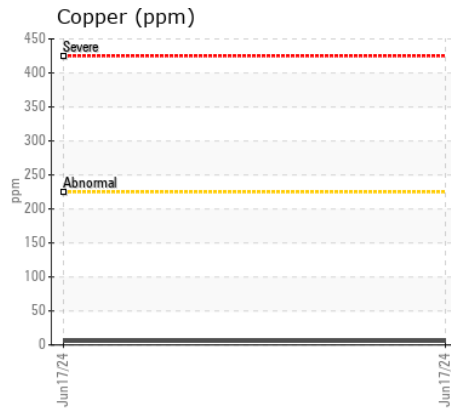
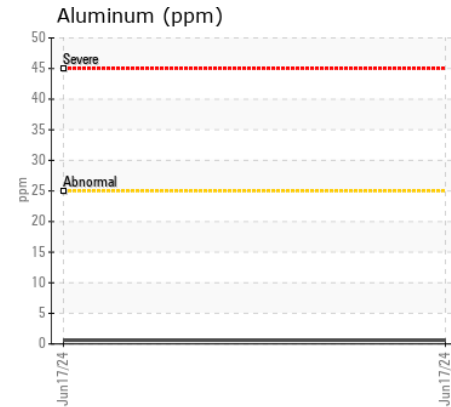
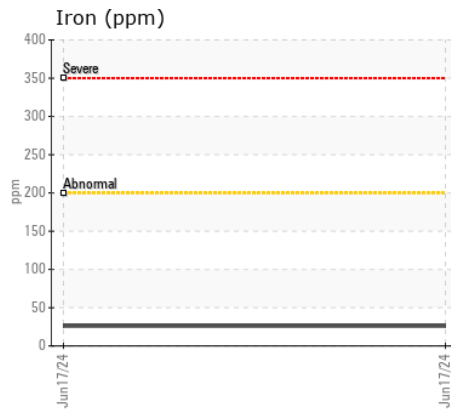
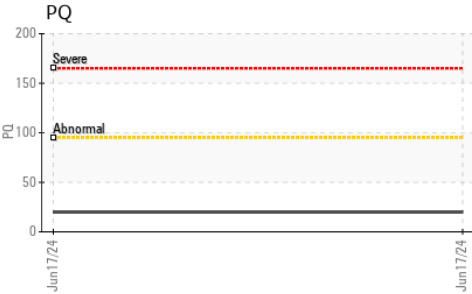
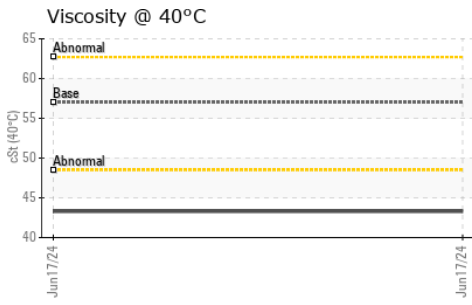
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	34	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water		WC Method	>0.1	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		32	---	---
Boron	ppm	ASTM D5185m	6	2	---	---
Barium	ppm	ASTM D5185m	0	<1	---	---
Molybdenum	ppm	ASTM D5185m	0	1	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m	145	90	---	---
Calcium	ppm	ASTM D5185m	3570	3181	---	---
Phosphorus	ppm	ASTM D5185m	1290	1037	---	---
Zinc	ppm	ASTM D5185m	1640	1190	---	---
Sulfur	ppm	ASTM D5185m		3943	---	---
Visc @ 40°C	cSt	ASTM D445	57.0	43.3	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0197076 **Received** : 20 Jun 2024
Lab Number : 06215962 **Tested** : 22 Jun 2024
Unique Number : 11088826 **Diagnosed** : 23 Jun 2024 - Don Baldrige
Test Package : MOBCE (Additional Tests: PQ)

CARLTON'S BACKHOE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269
 Contact: LEO

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)

T: (704)547-0211

F: