



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 844P 1DW844PAVPLX07617

Component
Rear Differential
Fluid
NOT GIVEN (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0221951	JR0212494	JR0209541
Sample Date		Client Info		01 Jul 2024	01 May 2024	04 Apr 2024
Machine Age	hrs	Client Info		983	500	499
Oil Age	hrs	Client Info		483	0	499
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		87	122	417
Iron	ppm	ASTM D5185m	>500	212	216	460
Chromium	ppm	ASTM D5185m	>10	1	2	2
Nickel	ppm	ASTM D5185m	>10	1	1	1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	1	3	1
Lead	ppm	ASTM D5185m	>25	9	2	2
Copper	ppm	ASTM D5185m	>100	144	32	73
Tin	ppm	ASTM D5185m	>10	3	2	3
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

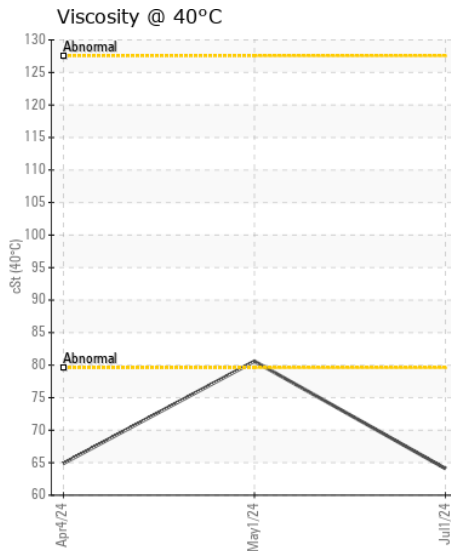
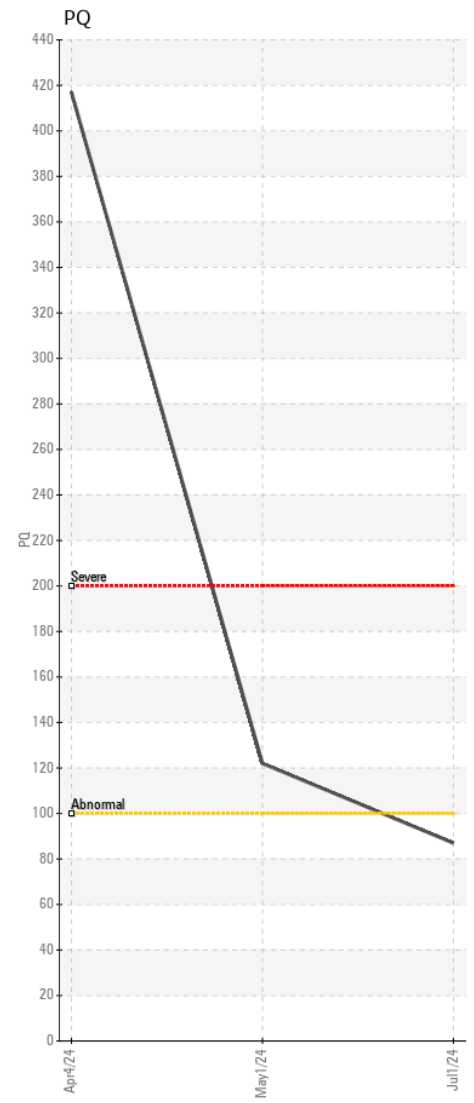
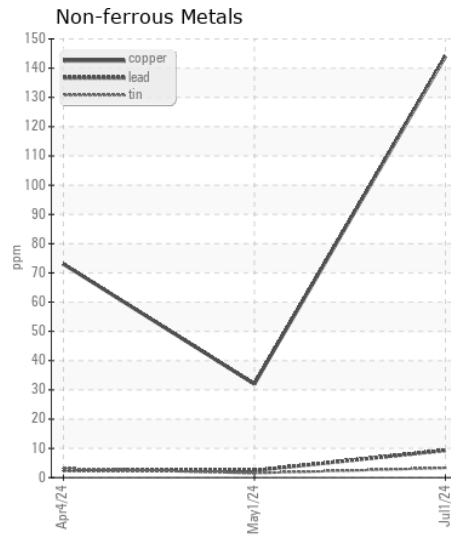
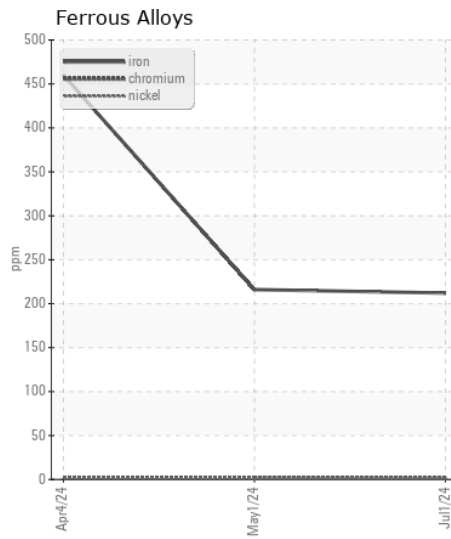
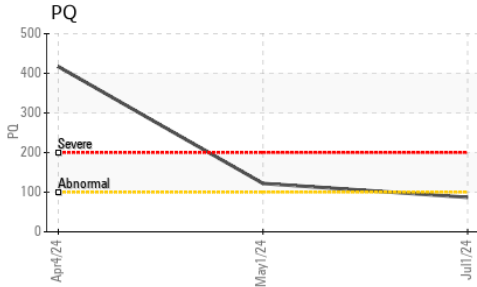
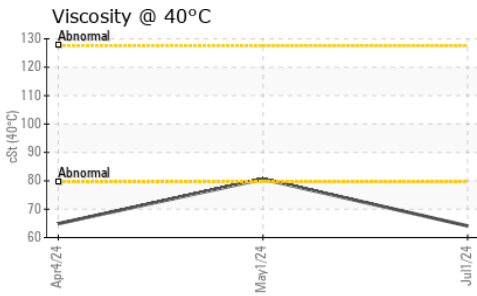
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	9	34	12
Potassium	ppm	ASTM D5185m	>20	0	3	<1
Water		WC Method	>.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	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		6	3	15
Boron	ppm	ASTM D5185m		9	45	107
Barium	ppm	ASTM D5185m		<1	0	<1
Molybdenum	ppm	ASTM D5185m		1	3	0
Manganese	ppm	ASTM D5185m		8	11	29
Magnesium	ppm	ASTM D5185m		74	17	9
Calcium	ppm	ASTM D5185m		3745	3301	3390
Phosphorus	ppm	ASTM D5185m		1066	955	1129
Zinc	ppm	ASTM D5185m		1237	1115	1431
Sulfur	ppm	ASTM D5185m		4127	5513	3680
Visc @ 40°C	cSt	ASTM D445		64.1	80.6	64.9



Certificate L2367

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

Sample No. : JR0221951

Lab Number : 06228881

Unique Number : 11112374

Test Package : CONST (Additional Tests: PQ)

Received : 05 Jul 2024

Tested : 08 Jul 2024

Diagnosed : 08 Jul 2024 - Don Baldridge

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 - GARNER

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