



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 624P 1DW624PAHMLZ10763
 Component
Rear Differential
 Fluid
TDH FLUID SAE 75W80 (--- GAL)

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		JR0223399	JR0196915	JR0143526
Sample Date		Client Info		30 Jun 2024	23 Feb 2024	14 Oct 2022
Machine Age	hrs	Client Info		3062	2596	1557
Oil Age	hrs	Client Info		0	3973	0
Filter Age	hrs	Client Info		0	1000	0
Oil Changed		Client Info		N/A	Not Changd	N/A
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				ABNORMAL	ABNORMAL	SEVERE

WEAR

Bearing and/or bushing wear is indicated. All other component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		20	21	21
Iron	ppm	ASTM D5185m	>500	87	83	207
Chromium	ppm	ASTM D5185m	>10	<1	<1	1
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>25	3	2	4
Lead	ppm	ASTM D5185m	>25	▲ 92	▲ 77	▲ 151
Copper	ppm	ASTM D5185m	>100	▲ 333	▲ 247	▲ 552
Tin	ppm	ASTM D5185m	>10	4	4	10
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

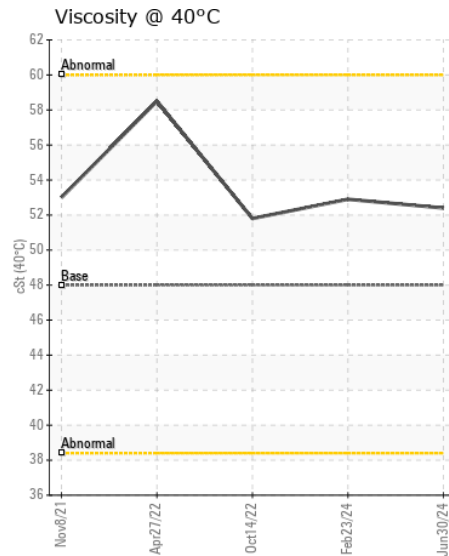
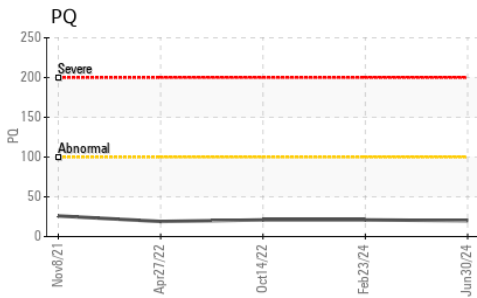
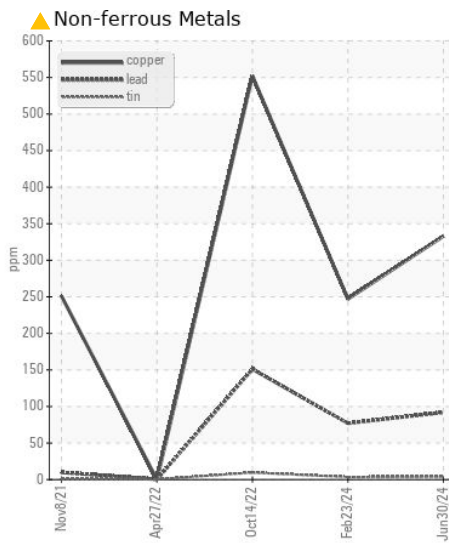
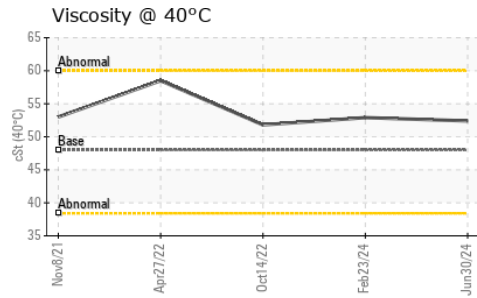
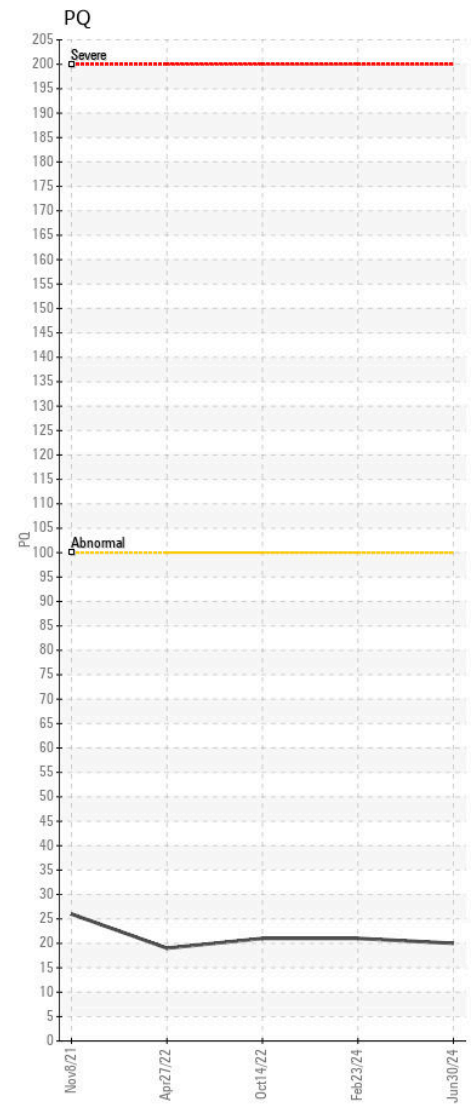
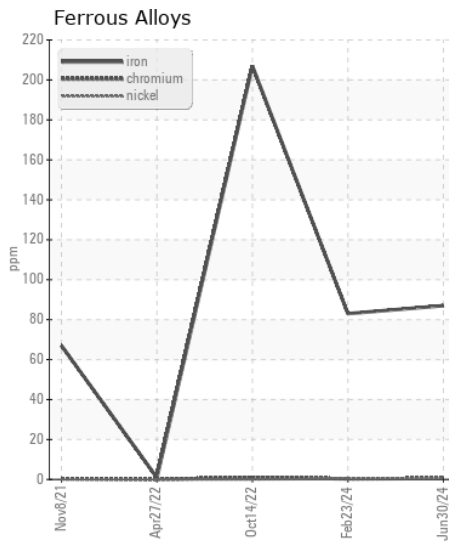
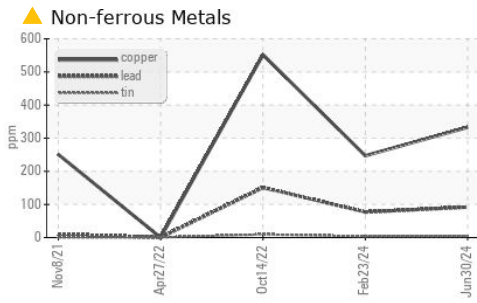
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	7	8	11
Potassium	ppm	ASTM D5185m	>20	3	1	<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		2	4	5
Boron	ppm	ASTM D5185m	10	1	1	3
Barium	ppm	ASTM D5185m	10	1	0	5
Molybdenum	ppm	ASTM D5185m	10	2	<1	1
Manganese	ppm	ASTM D5185m		2	2	6
Magnesium	ppm	ASTM D5185m	100	93	97	89
Calcium	ppm	ASTM D5185m	3500	3349	3321	3362
Phosphorus	ppm	ASTM D5185m	1150	1040	992	1005
Zinc	ppm	ASTM D5185m	1150	1177	1194	1109
Sulfur	ppm	ASTM D5185m	5000	3502	3618	4321
Visc @ 40°C	cSt	ASTM D445	48	52.4	52.9	51.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0223399 **Received** : 01 Jul 2024
Lab Number : 06224785 **Tested** : 02 Jul 2024
Unique Number : 11102982 **Diagnosed** : 02 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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)

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