



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 744P 1dw744pavpll06872
 Component
Front Axle
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (60 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214052	JR0208766	JR0193944
Sample Date		Client Info		20 Jun 2024	18 Mar 2024	11 Jan 2024
Machine Age	hrs	Client Info		1967	1450	1103
Oil Age	hrs	Client Info		517	347	547
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		22	18	17
Iron	ppm	ASTM D5185m	>750	23	20	31
Chromium	ppm	ASTM D5185m	>11	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>21	3	<1	<1
Lead	ppm	ASTM D5185m	>49	<1	<1	0
Copper	ppm	ASTM D5185m	>101	29	20	46
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

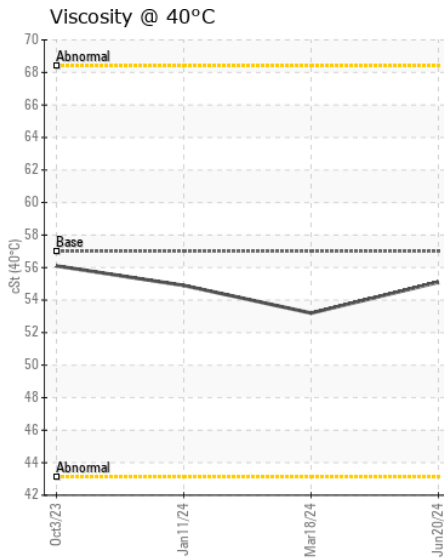
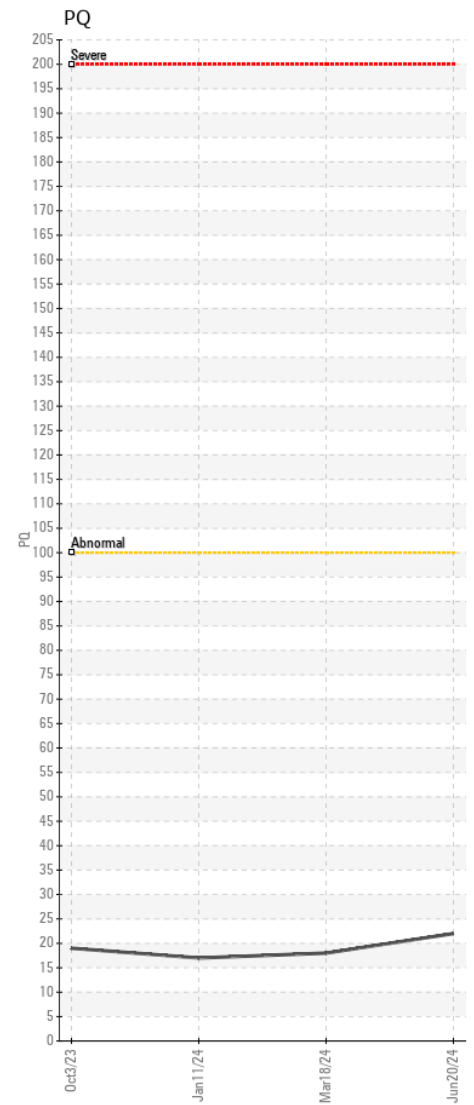
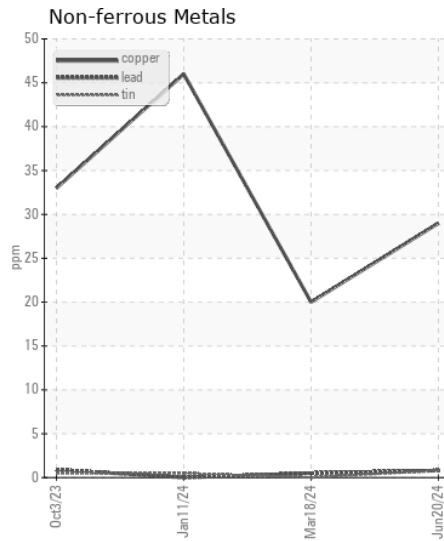
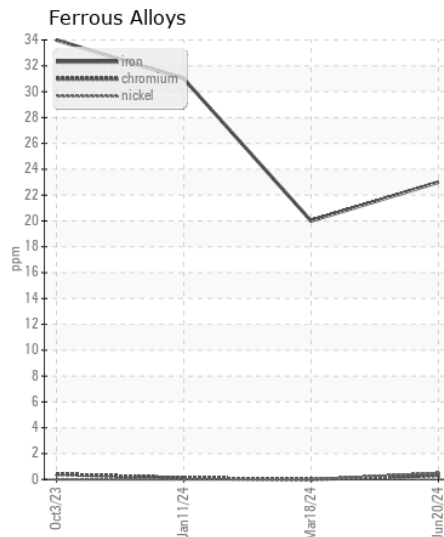
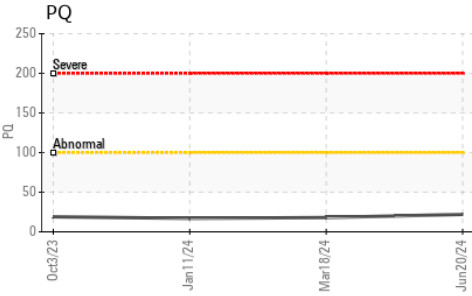
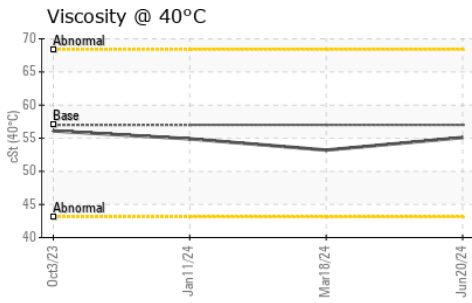
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	6	4	6
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	0	2	2
Boron	ppm	ASTM D5185m	6	19	<1	<1
Barium	ppm	ASTM D5185m	0	1	0	<1
Molybdenum	ppm	ASTM D5185m	0	14	0	0
Manganese	ppm	ASTM D5185m		1	0	2
Magnesium	ppm	ASTM D5185m	145	128	92	100
Calcium	ppm	ASTM D5185m	3570	3271	3138	3186
Phosphorus	ppm	ASTM D5185m	1290	996	994	1020
Zinc	ppm	ASTM D5185m	1640	1175	1083	1149
Sulfur	ppm	ASTM D5185m		4159	3873	3374
Visc @ 40°C	cSt	ASTM D445	57.0	55.1	53.2	54.9



Certificate L2367

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

Sample No. : JR0214052

Lab Number : 06218469

Unique Number : 11096666

Test Package : CONST (Additional Tests: PQ)

Received : 24 Jun 2024

Tested : 25 Jun 2024

Diagnosed : 25 Jun 2024 - Wes Davis

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 - GREENVILLE

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