



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 460P 1DW460PAPPFB06219
 Component
Transmission (Auto)
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WE0006242	WE0005819	WE0005092
Sample Date		Client Info		21 Feb 2024	10 Nov 2023	03 Aug 2023
Machine Age	hrs	Client Info		1471	1037	0
Oil Age	hrs	Client Info		0	1037	0
Filter Age	hrs	Client Info		0	500	0
Oil Changed		Client Info		N/A	Not Changd	N/A
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	39	20	26
Iron	ppm	ASTM D5185m	>160	73	51	34
Chromium	ppm	ASTM D5185m	>5	0	0	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	2	<1	1
Lead	ppm	ASTM D5185m	>50	<1	<1	1
Copper	ppm	ASTM D5185m	>225	2	2	2
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

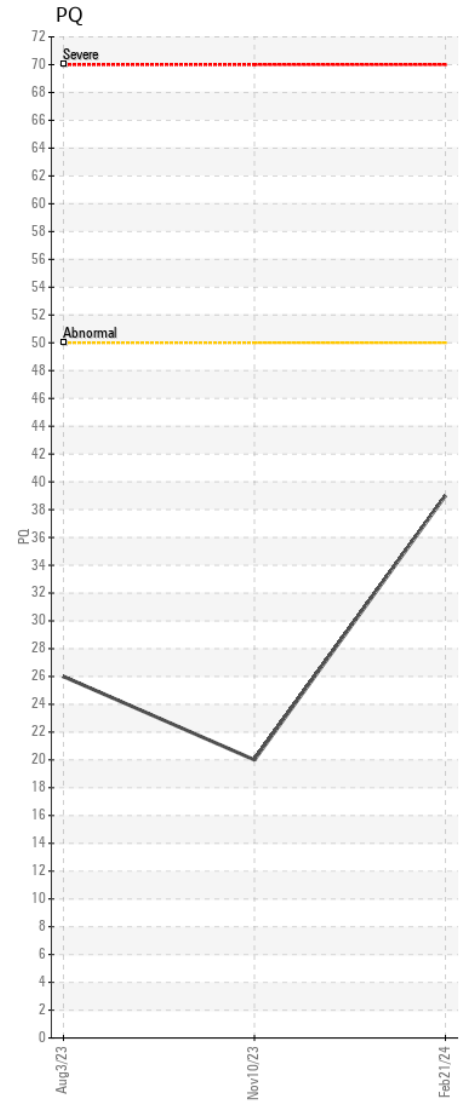
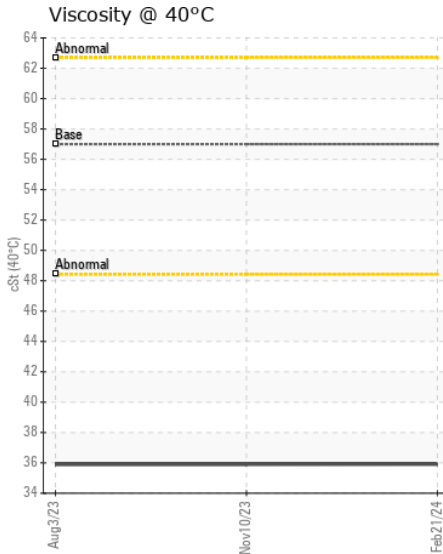
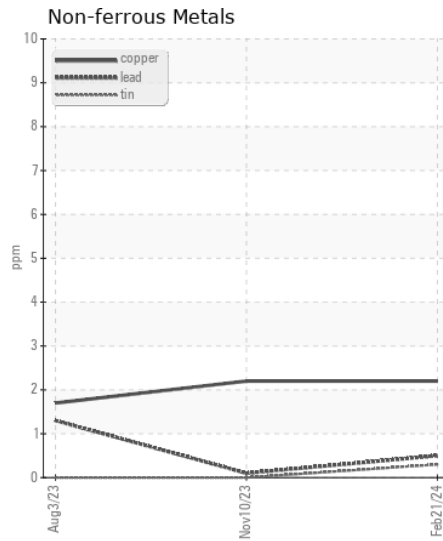
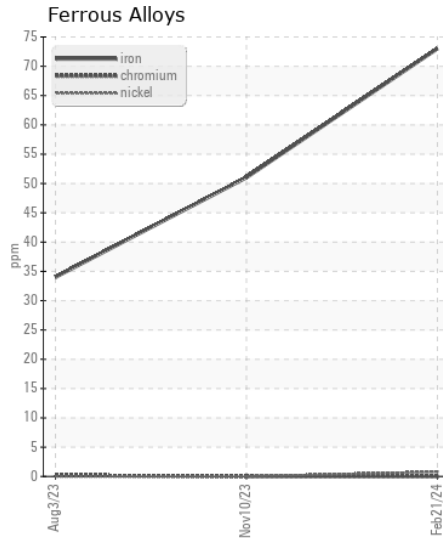
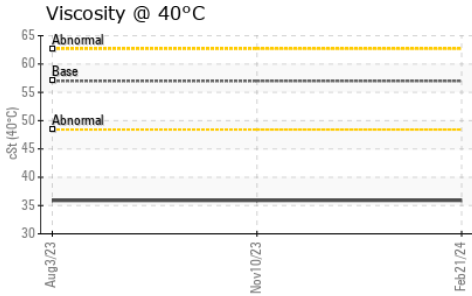
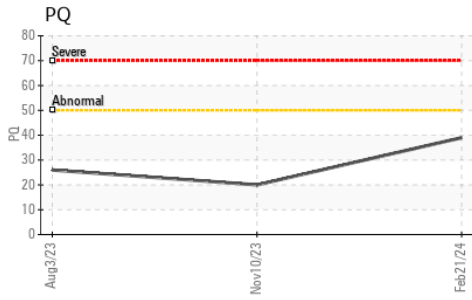
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	6	6	7
Potassium	ppm	ASTM D5185m	>20	3	2	3
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 fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		3	4	5
Boron	ppm	ASTM D5185m	6	105	116	124
Barium	ppm	ASTM D5185m	0	<1	2	1
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m	145	2	1	2
Calcium	ppm	ASTM D5185m	3570	116	177	125
Phosphorus	ppm	ASTM D5185m	1290	232	235	249
Zinc	ppm	ASTM D5185m	1640	11	33	13
Sulfur	ppm	ASTM D5185m		477	532	554
Visc @ 40°C	cSt	ASTM D445	57.0	35.91	35.9	35.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0006242 **Received** : 23 Feb 2024
Lab Number : 06098663 **Tested** : 28 Feb 2024
Unique Number : 10896893 **Diagnosed** : 28 Feb 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: PQ)

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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)