



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 550K 1T0550KKPJF335339
Component
Right Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0218775	JR0185268	JR0157127
Sample Date		Client Info		21 Jun 2024	03 Oct 2023	11 Jan 2023
Machine Age	hrs	Client Info		4954	4441	3913
Oil Age	hrs	Client Info		1041	528	1002
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	31	23	26
Iron	ppm	ASTM D5185m	>750	17	11	20
Chromium	ppm	ASTM D5185m	>9	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	1	<1	2
Lead	ppm	ASTM D5185m	>15	0	0	1
Copper	ppm	ASTM D5185m	>40	0	0	0
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

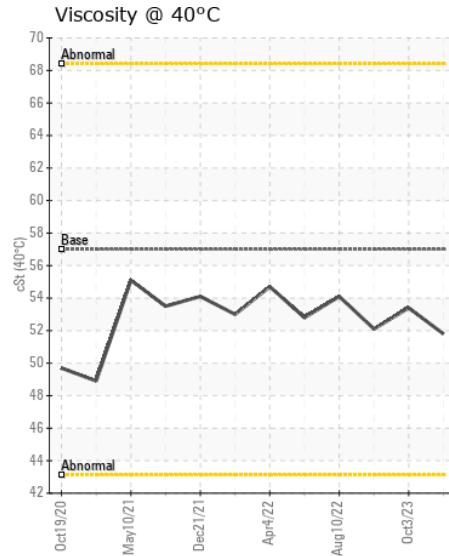
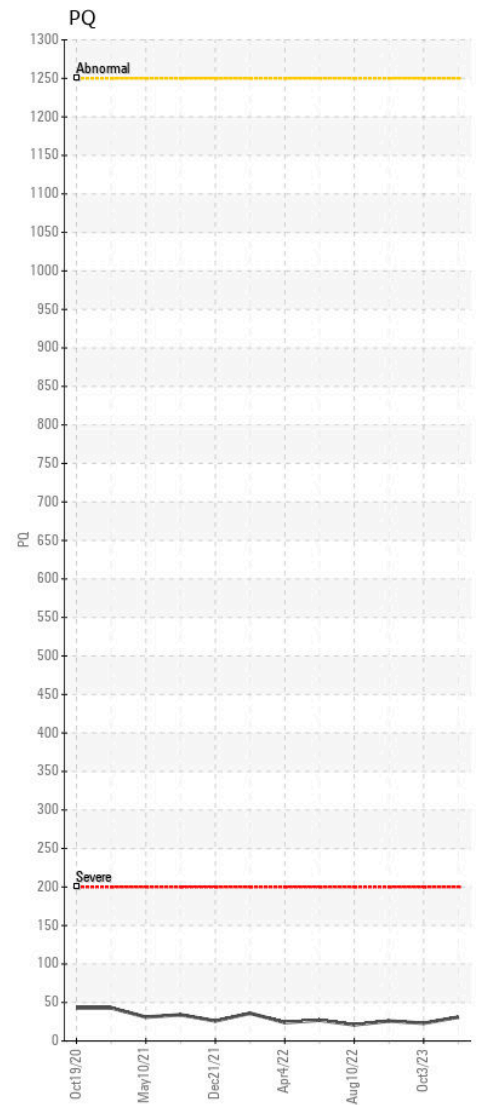
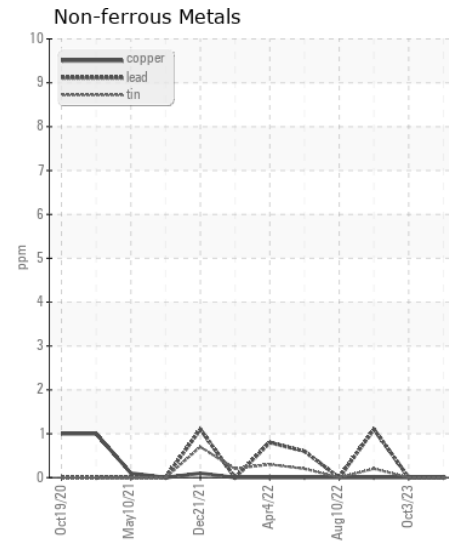
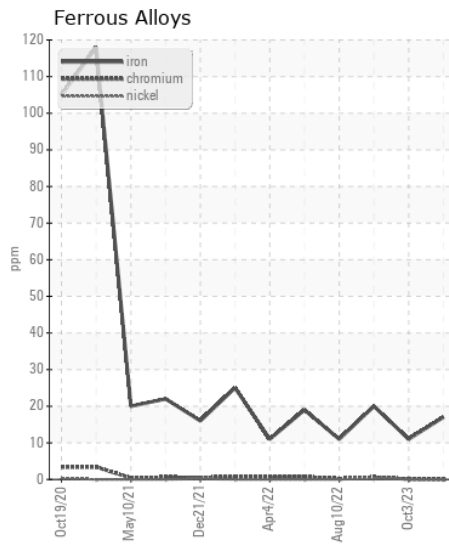
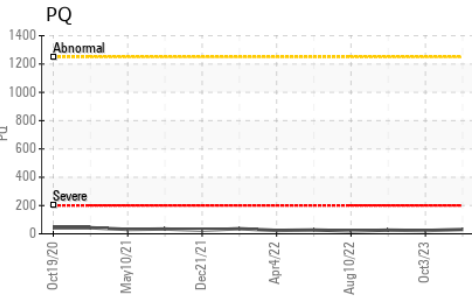
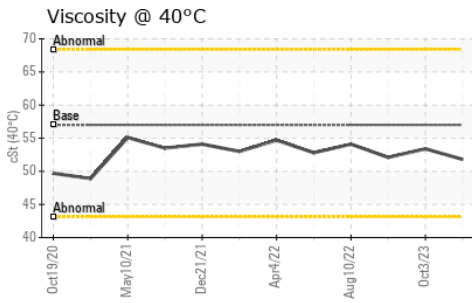
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	8	6	8
Potassium	ppm	ASTM D5185m	>20	0	0	1
Water		WC Method	>0.075	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<1	0	1
Boron	ppm	ASTM D5185m	6	3	0	1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	145	99	111	101
Calcium	ppm	ASTM D5185m	3570	3496	3594	3548
Phosphorus	ppm	ASTM D5185m	1290	990	1055	1013
Zinc	ppm	ASTM D5185m	1640	1193	1322	1270
Sulfur	ppm	ASTM D5185m		4275	3662	4179
Visc @ 40°C	cSt	ASTM D445	57.0	51.8	53.4	52.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218775 **Received** : 26 Jun 2024
Lab Number : 06221529 **Tested** : 27 Jun 2024
Unique Number : 11099726 **Diagnosed** : 27 Jun 2024 - Wes Davis
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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