



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[ATLAS PLUMBING]

Machine Id

JOHN DEERE 410L 1T0410LXCMF404565

Component

Transmission (Manual)

Fluid

TDH FLUID SAE 75W80 (--- 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		JR0221366	JR0181852	JR0132461
Sample Date		Client Info		26 Jun 2024	20 Jul 2023	20 Jul 2022
Machine Age	hrs	Client Info		1478	955	449
Oil Age	hrs	Client Info		0	955	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Filter Changed		Client Info		Not Changd	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	18	16	24
Iron	ppm	ASTM D5185m	>200	17	32	20
Chromium	ppm	ASTM D5185m	>5	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>7	0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	5	4
Lead	ppm	ASTM D5185m	>45	0	<1	<1
Copper	ppm	ASTM D5185m	>225	37	17	14
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

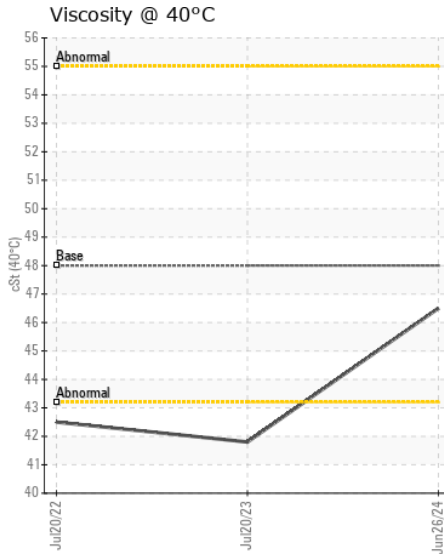
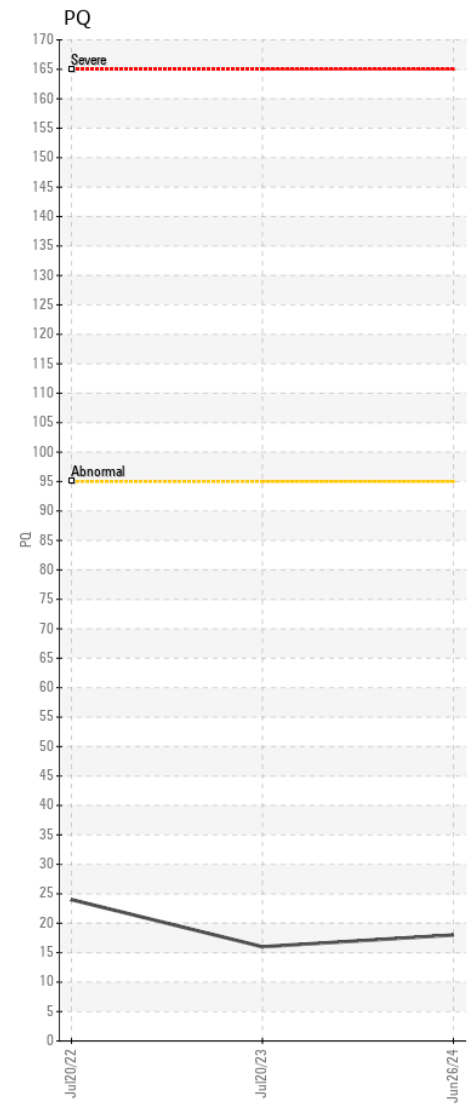
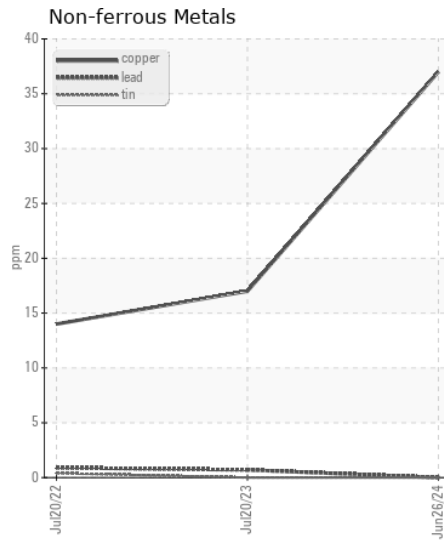
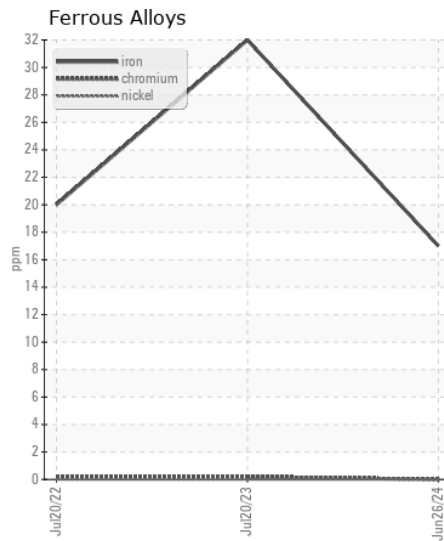
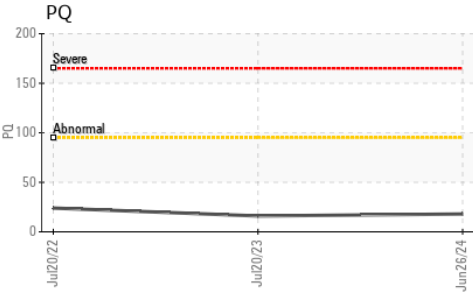
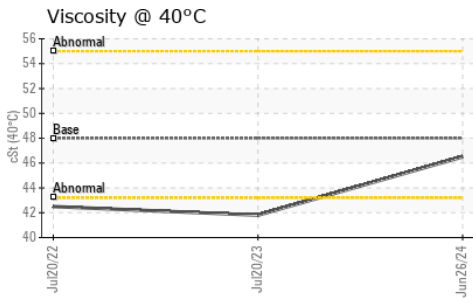
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	4	6	5
Potassium	ppm	ASTM D5185m	>20	<1	4	4
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		9	3	10
Boron	ppm	ASTM D5185m	10	13	24	26
Barium	ppm	ASTM D5185m	10	2	5	<1
Molybdenum	ppm	ASTM D5185m	10	1	<1	<1
Manganese	ppm	ASTM D5185m		1	3	3
Magnesium	ppm	ASTM D5185m	100	92	88	86
Calcium	ppm	ASTM D5185m	3500	3340	3703	3570
Phosphorus	ppm	ASTM D5185m	1150	945	1104	1016
Zinc	ppm	ASTM D5185m	1150	1124	1359	1257
Sulfur	ppm	ASTM D5185m	5000	3601	4158	4264
Visc @ 40°C	cSt	ASTM D445	48	46.5	41.8	42.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0221366 **Received** : 01 Jul 2024
Lab Number : 06225361 **Tested** : 02 Jul 2024
Unique Number : 11103558 **Diagnosed** : 02 Jul 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

JRE - STEPHENSON
 245 YARDMASTER COURT
 STEPHENSON, VA
 US 22656-1761
 Contact: PHIL DAUGHERTY
 pdaugherty@jamesriverequipment.com

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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