



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W22660-JW THORPE]
 Machine Id
JOHN DEERE 410E 1DW410ETAJF689762
 Component
Front Differential
 Fluid
{not provided} (--- 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		JR0225836	JR0081397	JR0081141
Sample Date		Client Info		21 Jun 2024	18 Mar 2023	17 Mar 2023
Machine Age	hrs	Client Info		7425	6811	6811
Oil Age	hrs	Client Info		0	0	6811
Filter Age	hrs	Client Info		0	0	6811
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		16	12	27
Iron	ppm	ASTM D5185m	>500	3	40	57
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	1
Lead	ppm	ASTM D5185m	>25	2	31	11
Copper	ppm	ASTM D5185m	>100	2	10	13
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

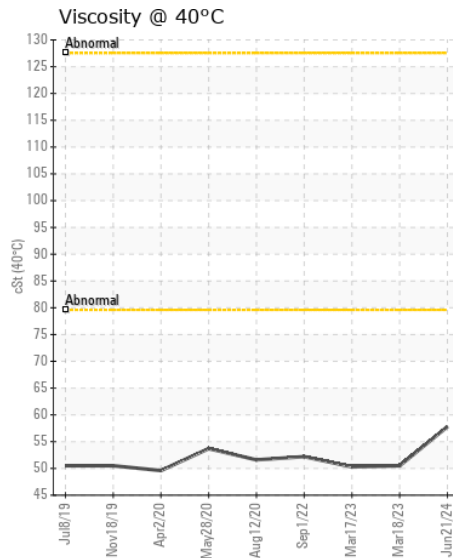
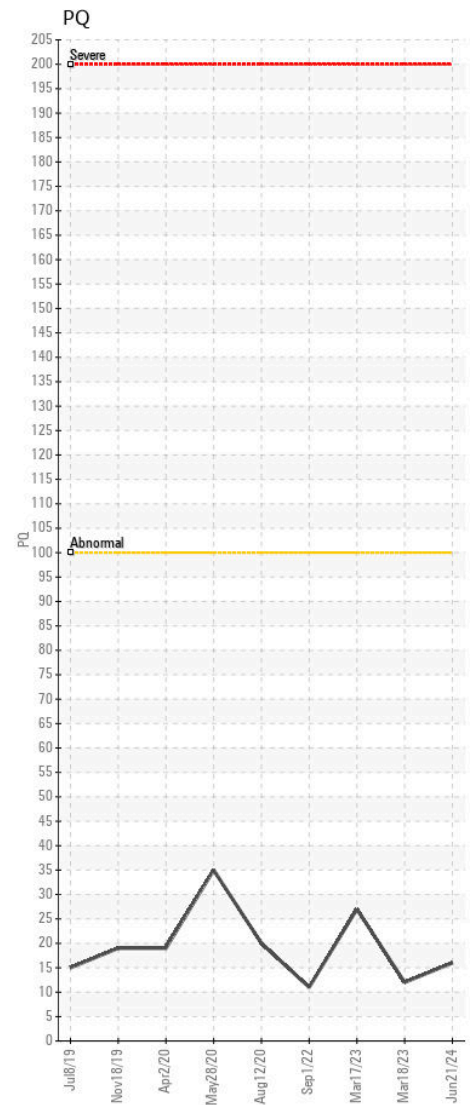
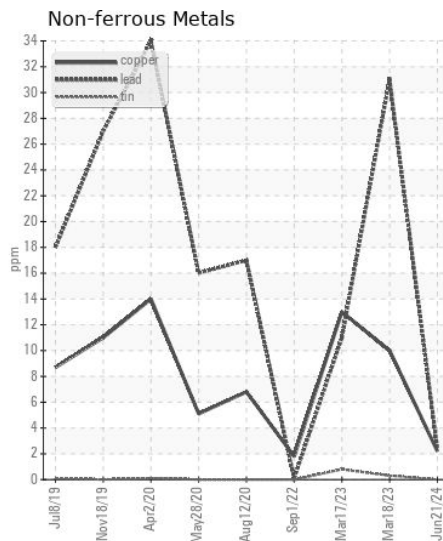
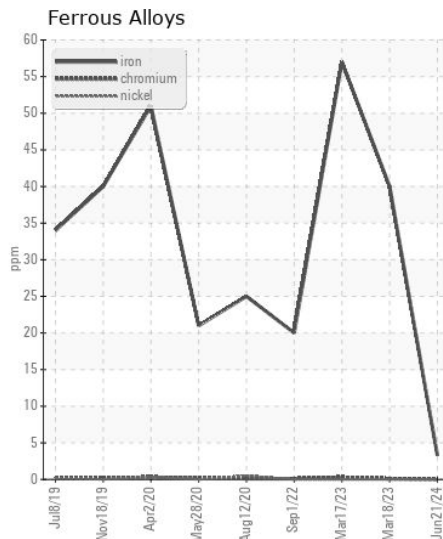
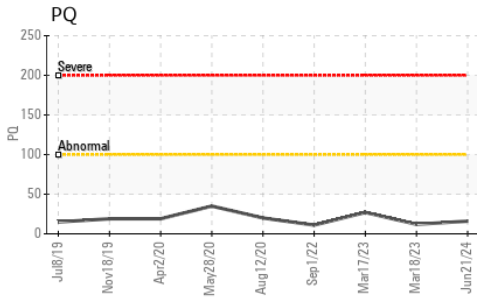
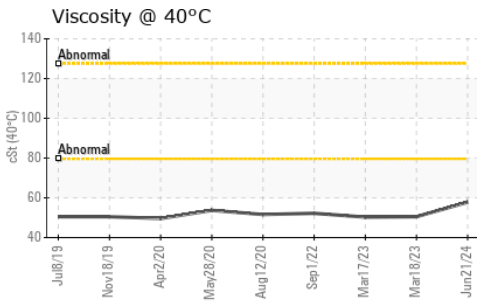
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	4	6	5
Potassium	ppm	ASTM D5185m	>20	3	0	0
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		4	3	5
Boron	ppm	ASTM D5185m		5	<1	0
Barium	ppm	ASTM D5185m		0	<1	3
Molybdenum	ppm	ASTM D5185m		0	1	<1
Manganese	ppm	ASTM D5185m		<1	1	2
Magnesium	ppm	ASTM D5185m		93	103	88
Calcium	ppm	ASTM D5185m		3282	3348	3277
Phosphorus	ppm	ASTM D5185m		982	1022	947
Zinc	ppm	ASTM D5185m		1141	1204	1119
Sulfur	ppm	ASTM D5185m		3647	4161	3791
Visc @ 40°C	cSt	ASTM D445		57.8	50.5	50.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0225836 **Received** : 28 Jun 2024
Lab Number : 06223671 **Tested** : 29 Jun 2024
Unique Number : 11101868 **Diagnosed** : 29 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)

JRE - BURKEVILLE
 510 WEST COLONIAL DR
 BURKEVILLE, VA
 US 23922

Contact: BRANDON BOLLING
 bbolling@jamesriverequipment.com

T: (434)767-5578
 F: (434)767-3774