



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W8928]
 Machine Id
JOHN DEERE 410E 1DW410ETVLF706853
 Component
Transmission (Auto)
 Fluid
JOHN DEERE HD SynTran (16 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W8928)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196850	JR0197144	JR0183389
Sample Date		Client Info		23 May 2024	06 Feb 2024	13 Oct 2023
Machine Age	hrs	Client Info		6461	5971	5501
Oil Age	hrs	Client Info		490	2480	2561
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	35	50	49
Iron	ppm	ASTM D5185m	>160	96	154	125
Chromium	ppm	ASTM D5185m	>5	<1	0	0
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>5	1	0	0
Aluminum	ppm	ASTM D5185m	>50	1	1	0
Lead	ppm	ASTM D5185m	>50	<1	1	0
Copper	ppm	ASTM D5185m	>225	3	4	4
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

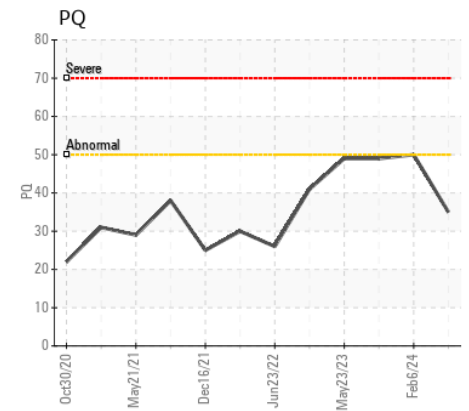
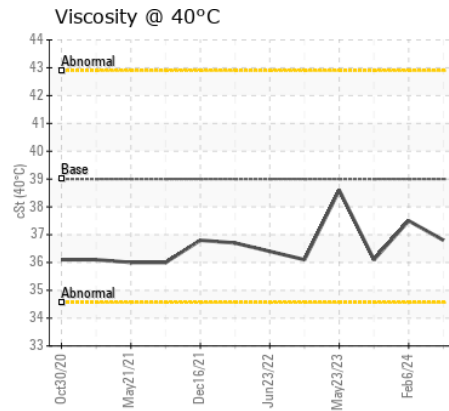
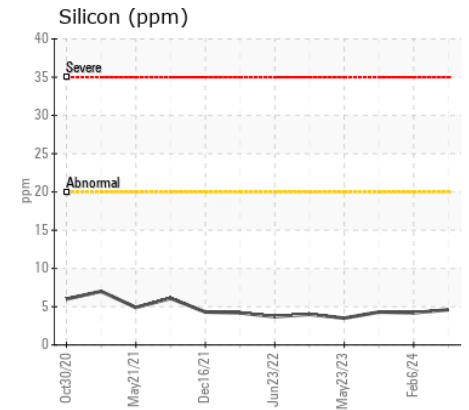
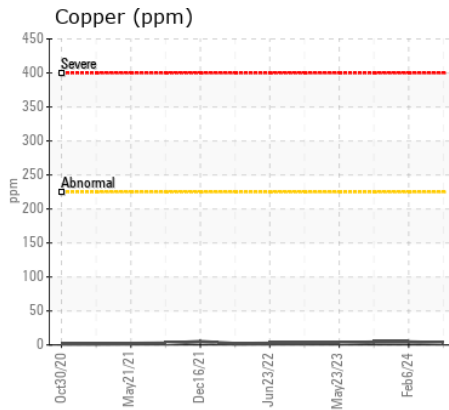
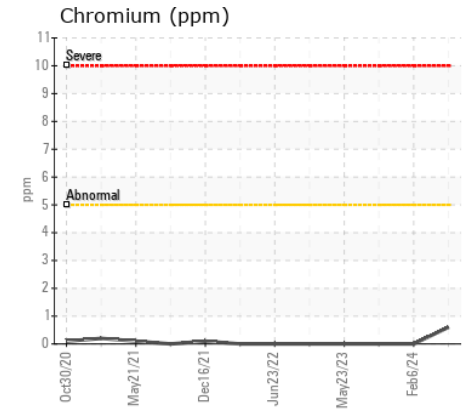
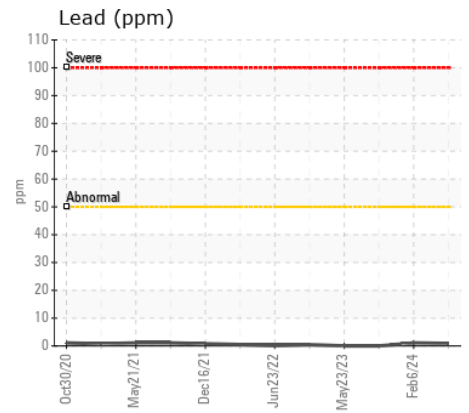
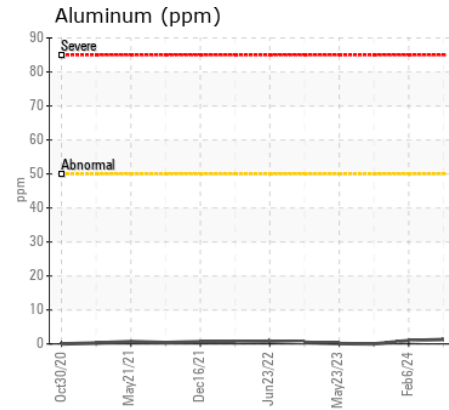
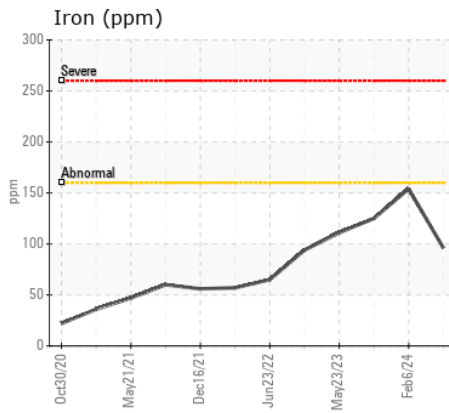
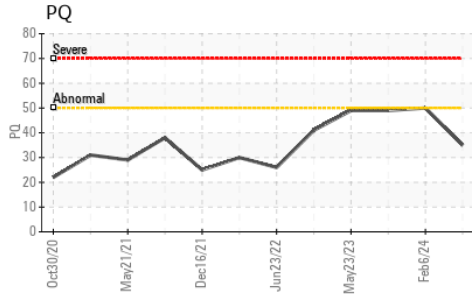
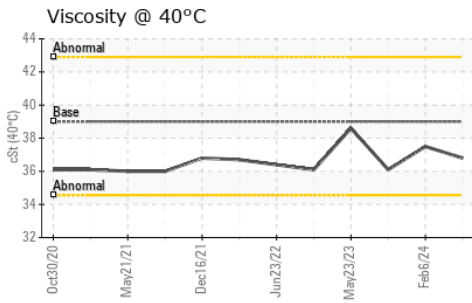
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	5	4	4
Potassium	ppm	ASTM D5185m	>20	3	3	0
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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		1	0	3
Boron	ppm	ASTM D5185m	168	126	111	108
Barium	ppm	ASTM D5185m		1	1	0
Molybdenum	ppm	ASTM D5185m		2	<1	1
Manganese	ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m		18	2	11
Calcium	ppm	ASTM D5185m	33	77	108	80
Phosphorus	ppm	ASTM D5185m	330	294	235	226
Zinc	ppm	ASTM D5185m	0	38	32	19
Sulfur	ppm	ASTM D5185m	980	336	333	306
Visc @ 40°C	cSt	ASTM D445	39	36.8	37.5	36.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196850
Lab Number : 06190732
Unique Number : 11047484
Test Package : MOBCE (Additional Tests: PQ)

JRE - HOPE MILLS/FAYETTEVILLE
 5039 HWY 301 SOUTH
 HOPE MILLS, NC
 US 28348

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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