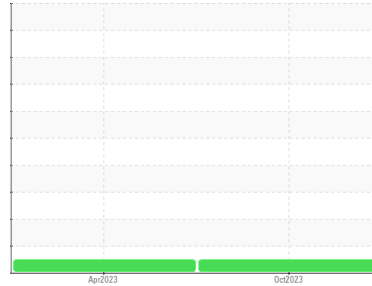


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

 Machine Id
JOHN DEERE 410E 1DW410ELLPF716386
 Component
Transmission (Auto)
 Fluid
JOHN DEERE HD SynTran (--- GAL)

DIAGNOSIS
Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		JR0179287	JR0147629	---
Sample Date	Client Info		03 Oct 2023	24 Apr 2023	---
Machine Age	hrs	Client Info	1983	1002	---
Oil Age	hrs	Client Info	1983	0	---
Oil Changed	Client Info		Changed	Not Changd	---
Sample Status			NORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184	>50	44	36	---
Iron	ppm	ASTM D5185m	>160	132	76
Chromium	ppm	ASTM D5185m	>5	<1	0
Nickel	ppm	ASTM D5185m	>5	0	0
Titanium	ppm	ASTM D5185m		<1	0
Silver	ppm	ASTM D5185m	>5	0	0
Aluminum	ppm	ASTM D5185m	>50	<1	0
Lead	ppm	ASTM D5185m	>50	2	2
Copper	ppm	ASTM D5185m	>225	3	2
Tin	ppm	ASTM D5185m	>10	<1	0
Vanadium	ppm	ASTM D5185m		<1	0
Cadmium	ppm	ASTM D5185m		0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	168	135	135
Barium	ppm	ASTM D5185m		0	0
Molybdenum	ppm	ASTM D5185m		2	2
Manganese	ppm	ASTM D5185m		2	1
Magnesium	ppm	ASTM D5185m		6	6
Calcium	ppm	ASTM D5185m	33	146	132
Phosphorus	ppm	ASTM D5185m	330	270	257
Zinc	ppm	ASTM D5185m	0	21	26
Sulfur	ppm	ASTM D5185m	980	467	405

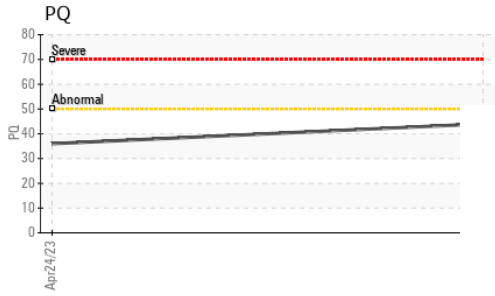
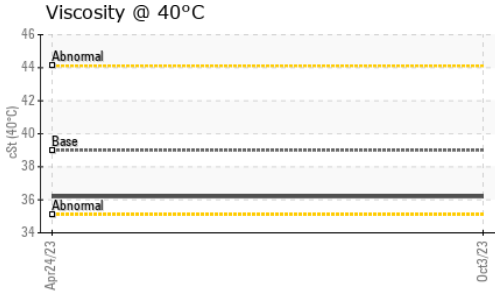
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	6	7
Sodium	ppm	ASTM D5185m		3	<1
Potassium	ppm	ASTM D5185m	>20	2	2

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

OIL ANALYSIS REPORT



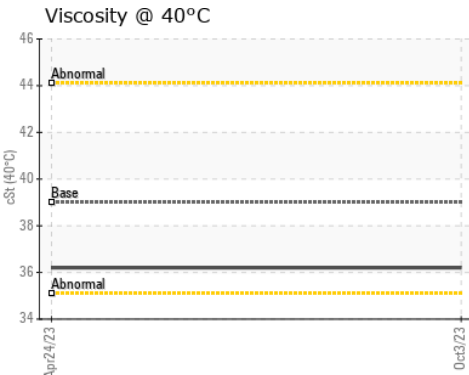
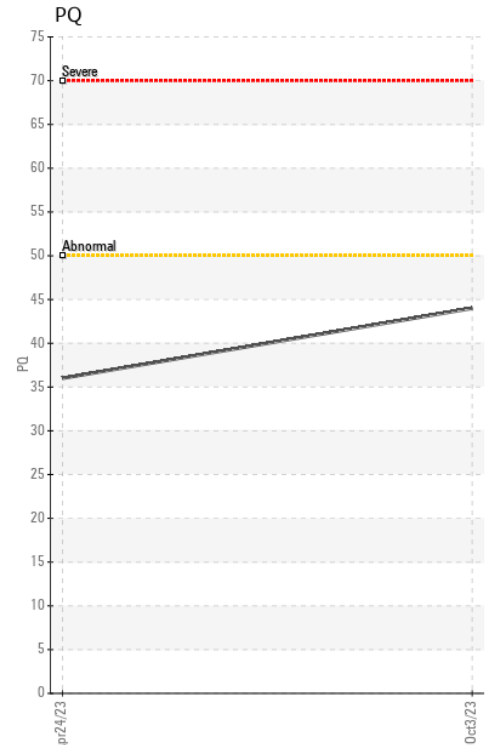
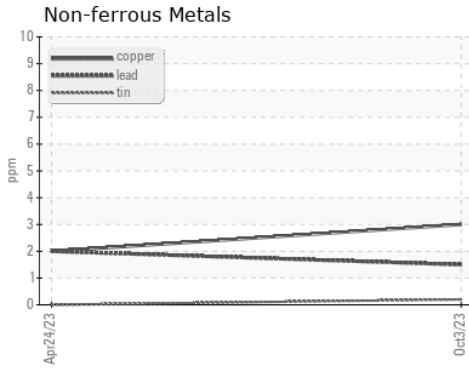
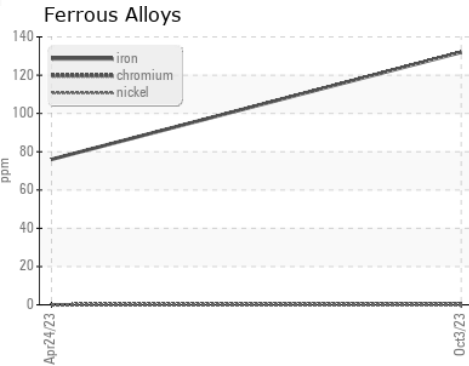
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	39	36.2	36.2 ---

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0179287 **Received** : 04 Oct 2023
Lab Number : **05969117** **Diagnosed** : 06 Oct 2023
Unique Number : 10675668 **Diagnostician** : Jonathan Hester
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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 F: (804)798-0292