



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 410P 5477 (S/N 1DW410PALPFB06972)

Component
Transmission

Fluid
JOHN DEERE HD SynTran (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206784	JR0192965	---
Sample Date		Client Info		10 Apr 2024	01 Dec 2023	---
Machine Age	hrs	Client Info		1051	558	---
Oil Age	hrs	Client Info		1051	558	---
Filter Age	hrs	Client Info		0	558	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

The iron level is abnormal. All other component wear rates are normal.

PQ		ASTM D8184	>100	38	29	---
Iron	ppm	ASTM D5185m	>61	▲ 64	35	---
Chromium	ppm	ASTM D5185m	>10	<1	0	---
Nickel	ppm	ASTM D5185m		<1	1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>20	1	1	---
Lead	ppm	ASTM D5185m	>9	3	2	---
Copper	ppm	ASTM D5185m	>100	2	2	---
Tin	ppm	ASTM D5185m	>3	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

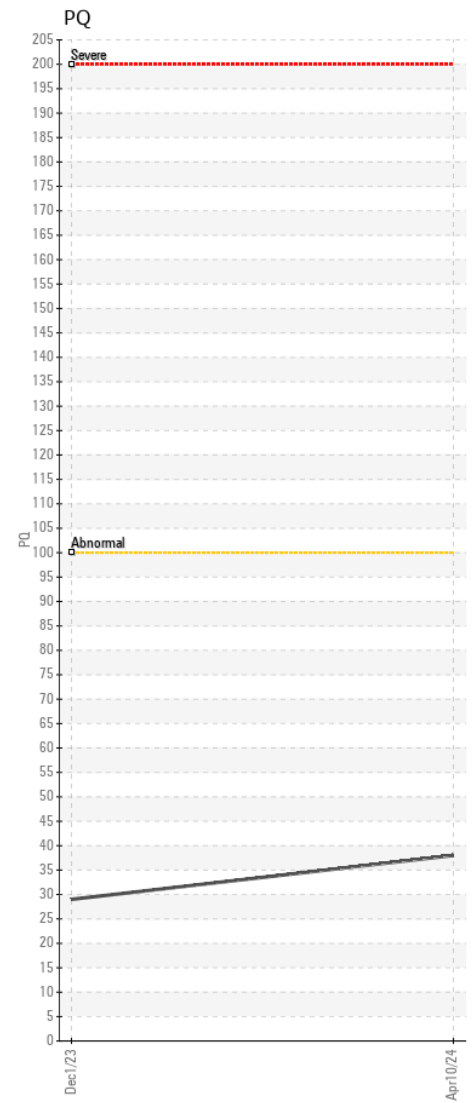
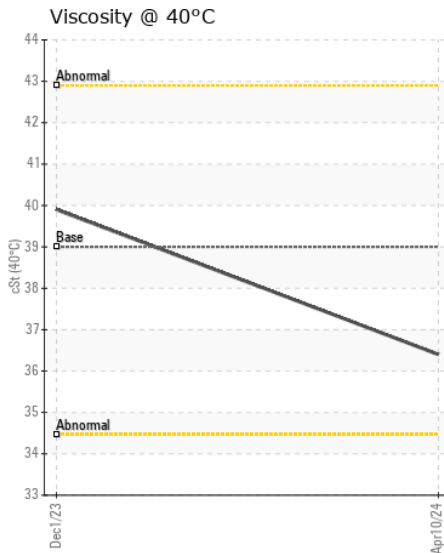
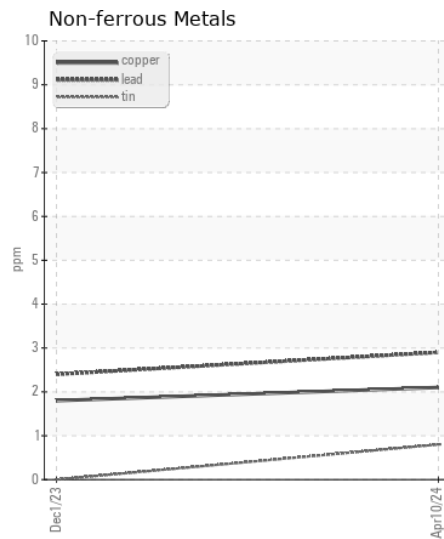
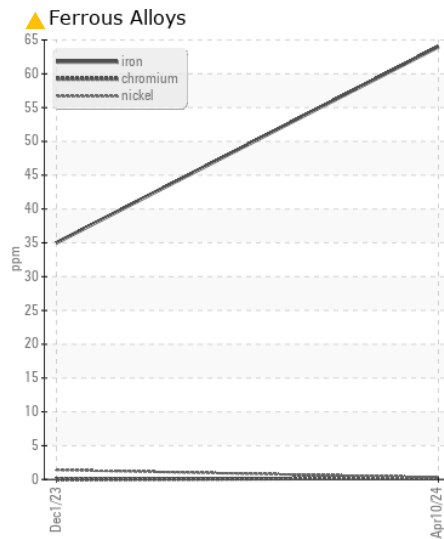
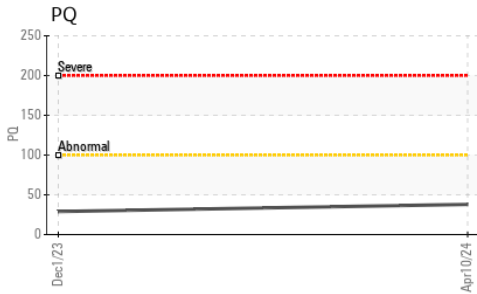
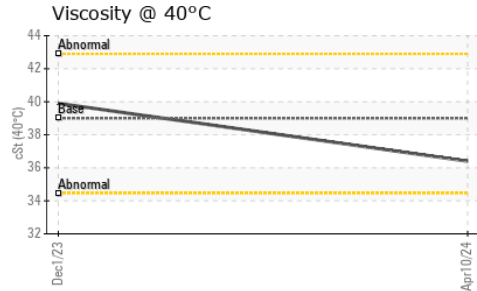
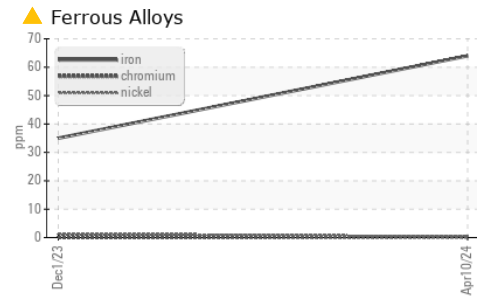
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>21	4	4	---
Potassium	ppm	ASTM D5185m	>20	4	1	---
Water		WC Method	>0.075	NEG	NEG	---
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	>0.075	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>30	4	<1	---
Boron	ppm	ASTM D5185m	168	114	117	---
Barium	ppm	ASTM D5185m		2	<1	---
Molybdenum	ppm	ASTM D5185m		<1	0	---
Manganese	ppm	ASTM D5185m		1	<1	---
Magnesium	ppm	ASTM D5185m		3	4	---
Calcium	ppm	ASTM D5185m	33	172	113	---
Phosphorus	ppm	ASTM D5185m	330	306	265	---
Zinc	ppm	ASTM D5185m	0	36	<1	---
Sulfur	ppm	ASTM D5185m	980	541	464	---
Visc @ 40°C	cSt	ASTM D445	39	36.4	39.9	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206784 **Received** : 12 Apr 2024
Lab Number : 06147572 **Tested** : 15 Apr 2024
Unique Number : 10977650 **Diagnosed** : 16 Apr 2024 - Don Baldrige
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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