



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 9 - Marietta [RO#147865]
 Machine Id
JOHN DEERE 370E 1DW370ETAJF685530
 Component
Transmission (Auto)
 Fluid
JOHN DEERE HD SynTran (16 GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: Change oi;Filter sampled new oil-Prev sample bad)

WEAR

All component wear rates are normal.

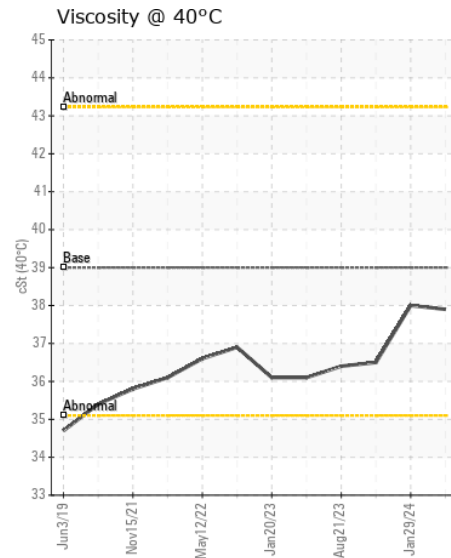
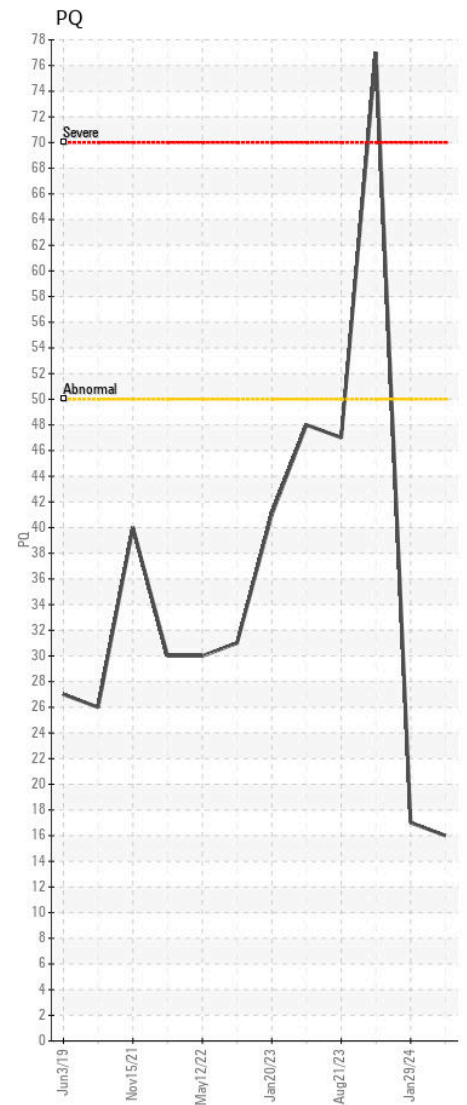
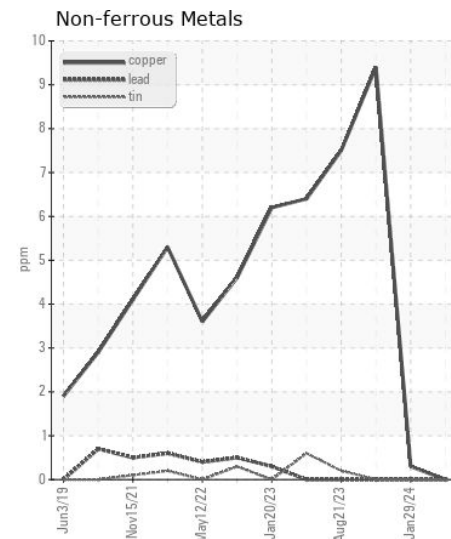
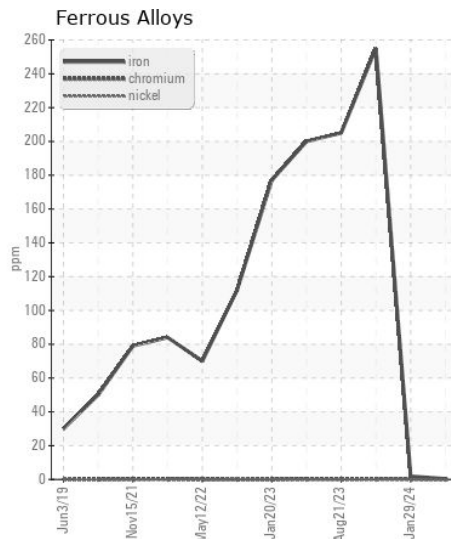
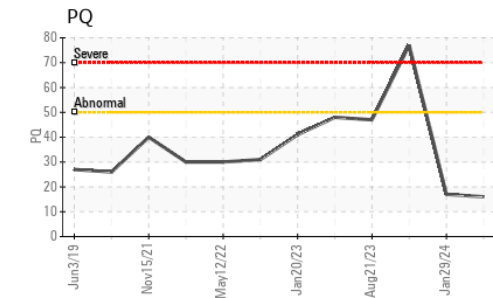
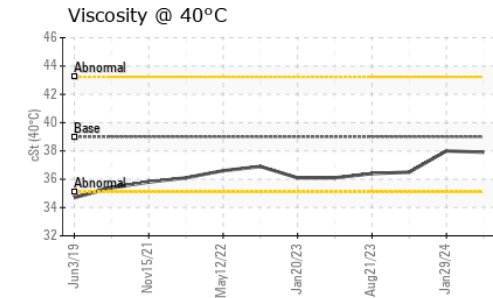
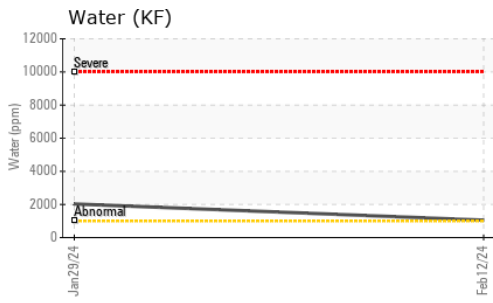
CONTAMINATION

The water content is negligible. No other contaminants were detected in the fluid.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0047505	LEC0047520	LEC0046748
Sample Date		Client Info		12 Feb 2024	29 Jan 2024	19 Dec 2023
Machine Age	hrs	Client Info		5965	5963	5962
Oil Age	hrs	Client Info		1	1	1131
Filter Age	hrs	Client Info		1	1	1131
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL
PQ		ASTM D8184	>50	16	17	77
Iron	ppm	ASTM D5185m	>160	<1	2	▲ 255
Chromium	ppm	ASTM D5185m	>5	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	0	2	3
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>225	0	<1	9
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	14	2	4
Potassium	ppm	ASTM D5185m	>20	0	6	2
Water	%	ASTM D6304	>0.1	0.105	▲ 0.203	---
ppm Water	ppm	ASTM D6304	>1000	1050	▲ 2030	---
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	0.2%	0.2%	NEG
Sodium	ppm	ASTM D5185m		0	0	0
Boron	ppm	ASTM D5185m	168	130	134	128
Barium	ppm	ASTM D5185m		0	1	0
Molybdenum	ppm	ASTM D5185m		<1	0	<1
Manganese	ppm	ASTM D5185m		0	0	2
Magnesium	ppm	ASTM D5185m		<1	2	3
Calcium	ppm	ASTM D5185m	33	69	73	186
Phosphorus	ppm	ASTM D5185m	330	248	294	337
Zinc	ppm	ASTM D5185m	0	17	0	47
Sulfur	ppm	ASTM D5185m	980	307	312	498
Visc @ 40°C	cSt	ASTM D445	39	37.9	38.0	36.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047505 **Received** : 14 Feb 2024
Lab Number : 06089041 **Tested** : 15 Feb 2024
Unique Number : 10876486 **Diagnosed** : 15 Feb 2024 - Sean Felton
Test Package : CONST (Additional Tests: KF, 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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