



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 9 - Marietta [ro#149304]
Machine Id
JOHN DEERE 370E 1DW370ETAJF685530
Component
Transmission (Auto)
Fluid
JOHN DEERE HD SynTran (16 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample
Comment: Replaced transmission sampled new oil)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0048541	LEC0047505	LEC0047520
Sample Date		Client Info		09 Apr 2024	12 Feb 2024	29 Jan 2024
Machine Age	hrs	Client Info		5966	5965	5963
Oil Age	hrs	Client Info		1	1	1
Filter Age	hrs	Client Info		1	1	1
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	16	16	17
Iron	ppm	ASTM D5185m	>160	<1	<1	2
Chromium	ppm	ASTM D5185m	>5	<1	0	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	<1	0	2
Lead	ppm	ASTM D5185m	>50	1	0	0
Copper	ppm	ASTM D5185m	>225	<1	0	<1
Tin	ppm	ASTM D5185m	>10	<1	0	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

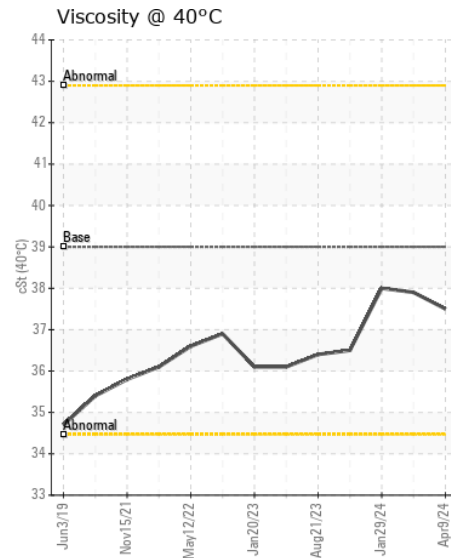
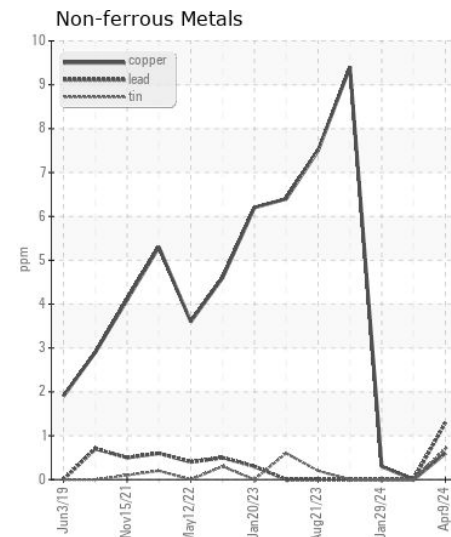
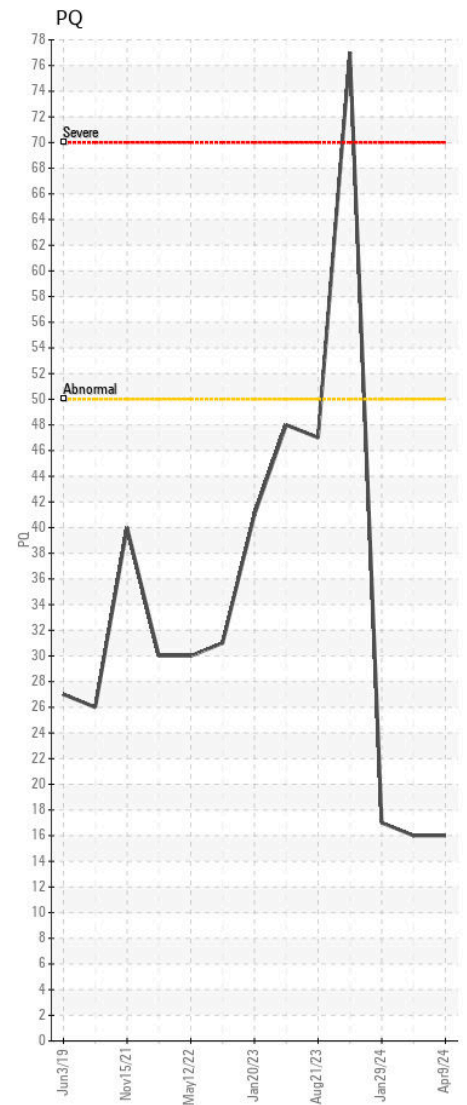
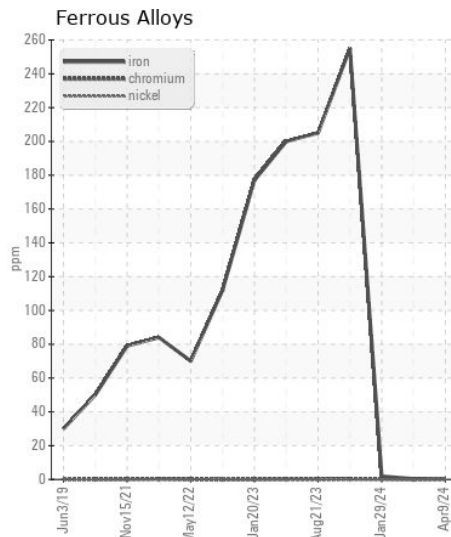
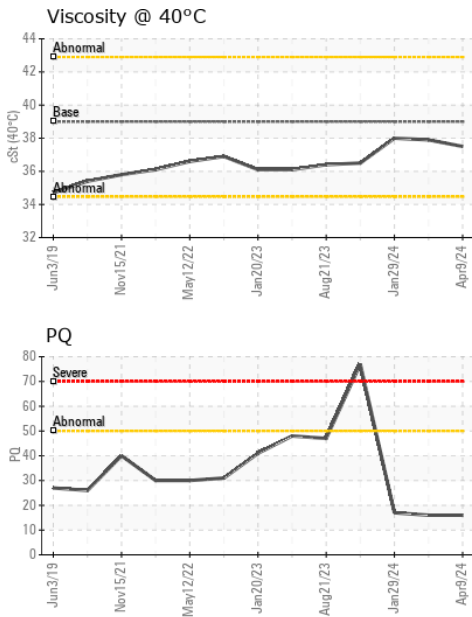
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m	>20	2	14	2
Potassium	ppm	ASTM D5185m	>20	3	0	6
Water		WC Method	>0.1	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	>0.1	NEG	0.2%	0.2%

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		1	0	0
Boron	ppm	ASTM D5185m	168	139	130	134
Barium	ppm	ASTM D5185m		<1	0	1
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		0	<1	2
Calcium	ppm	ASTM D5185m	33	120	69	73
Phosphorus	ppm	ASTM D5185m	330	306	248	294
Zinc	ppm	ASTM D5185m	0	6	17	0
Sulfur	ppm	ASTM D5185m	980	539	307	312
Visc @ 40°C	cSt	ASTM D445	39	37.5	37.9	38.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0048541 **Received** : 12 Apr 2024
Lab Number : 06147576 **Tested** : 15 Apr 2024
Unique Number : 10977654 **Diagnosed** : 16 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)