



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
SOUTH RICHMOND [W52743]
 Machine Id
JOHN DEERE 370E M01-0318 1DW370ETVCE647304
 Component
Transmission (Auto)
 Fluid
JOHN DEERE HD SynTran (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0224541	JR0147969	JR0088292
Sample Date		Client Info		16 Jul 2024	03 May 2023	18 Aug 2021
Machine Age	hrs	Client Info		8768	0	6193
Oil Age	hrs	Client Info		1000	996	0
Filter Age	hrs	Client Info		1000	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Not Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	61	34	46
Iron	ppm	ASTM D5185m	>160	43	47	▲ 87
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>5	0	<1	<1
Aluminum	ppm	ASTM D5185m	>50	3	2	2
Lead	ppm	ASTM D5185m	>50	<1	0	<1
Copper	ppm	ASTM D5185m	>225	2	1	2
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

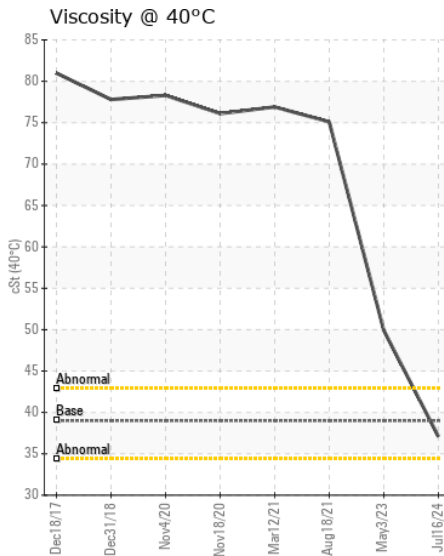
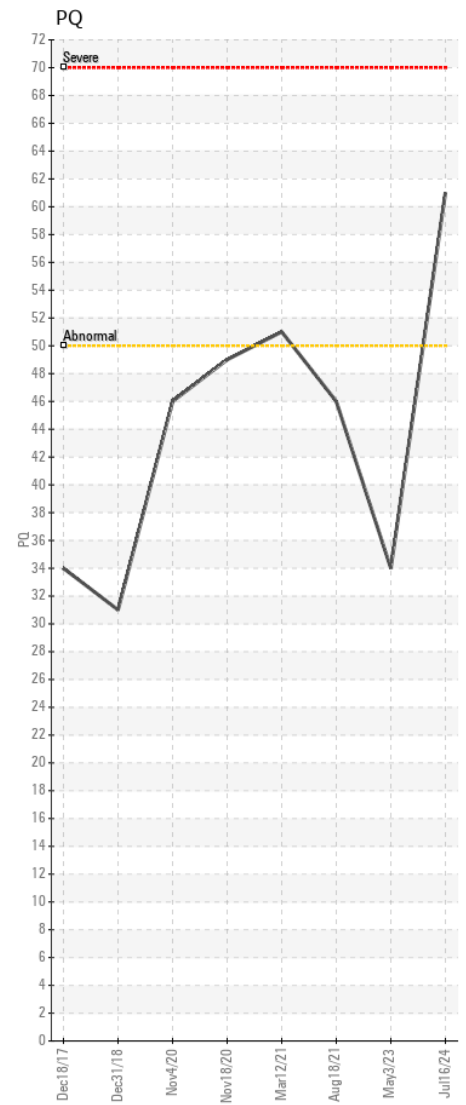
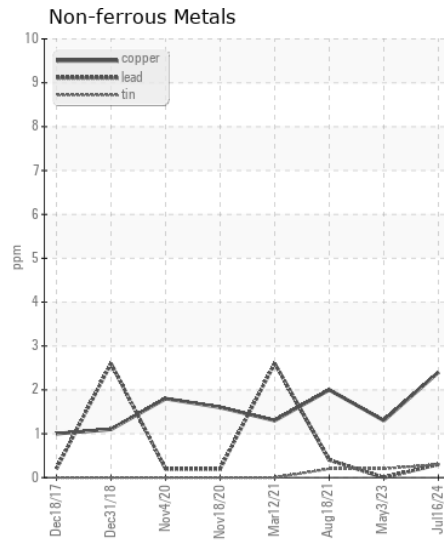
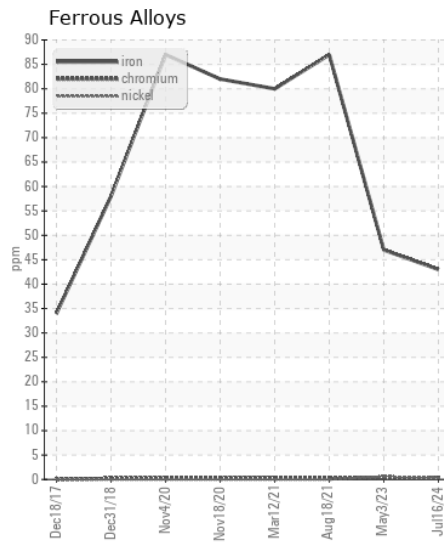
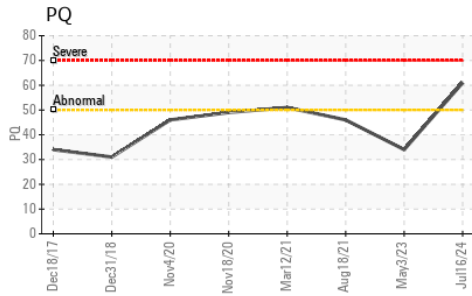
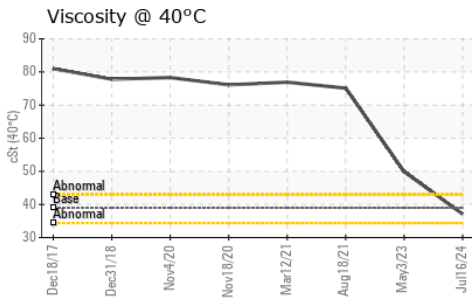
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	4	5	10
Potassium	ppm	ASTM D5185m	>20	2	2	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	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	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	3	4
Boron	ppm	ASTM D5185m	168	136	204	340
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		15	114	250
Manganese	ppm	ASTM D5185m		<1	1	1
Magnesium	ppm	ASTM D5185m		51	391	754
Calcium	ppm	ASTM D5185m	33	220	688	1450
Phosphorus	ppm	ASTM D5185m	330	309	626	894
Zinc	ppm	ASTM D5185m	0	85	517	964
Sulfur	ppm	ASTM D5185m	980	609	2143	2811
Visc @ 40°C	cSt	ASTM D445	39	37.1	49.9	75.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0224541 **Received** : 17 Jul 2024
Lab Number : 06239345 **Tested** : 19 Jul 2024
Unique Number : 11128179 **Diagnosed** : 19 Jul 2024 - Sean Felton
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)