



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W8934]
 Machine Id
JOHN DEERE 850K 1T0850KXJJF343226
 Component
Right Inner Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (18 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W8934)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196946	JR0194264	JR0132486
Sample Date		Client Info		28 May 2024	12 Dec 2023	13 Jun 2022
Machine Age	hrs	Client Info		5559	4896	3941
Oil Age	hrs	Client Info		4604	0	3941
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	103	80	55
Iron	ppm	ASTM D5185m	>750	275	119	115
Chromium	ppm	ASTM D5185m	>9	2	<1	1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>40	3	<1	7
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	<1	0	<1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

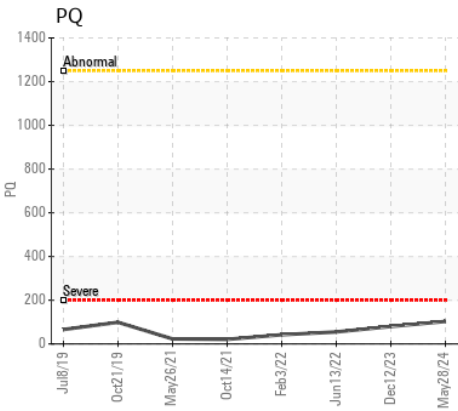
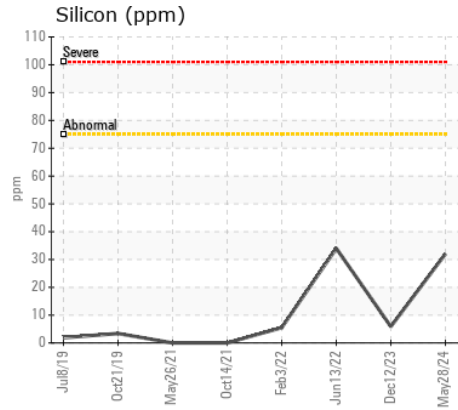
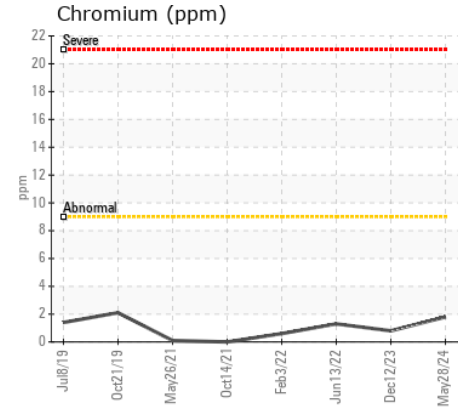
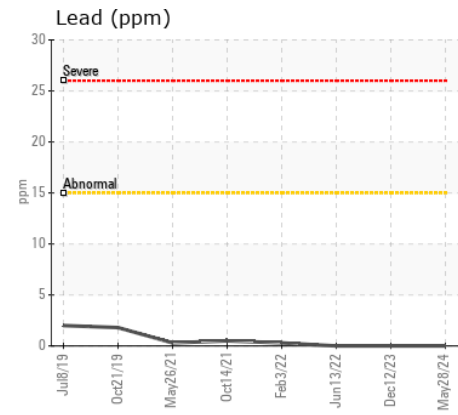
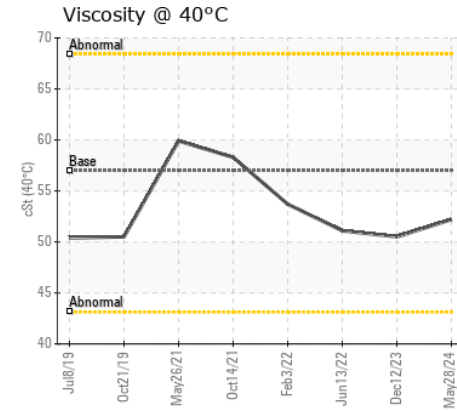
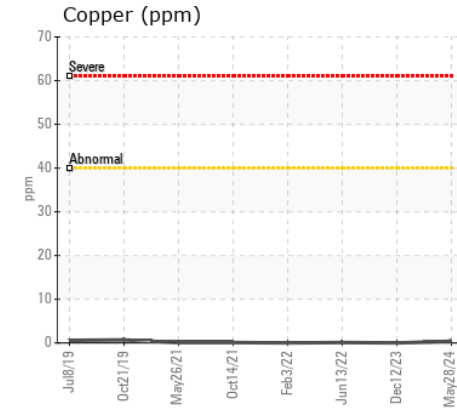
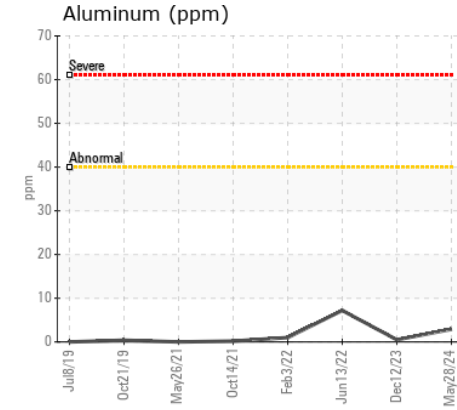
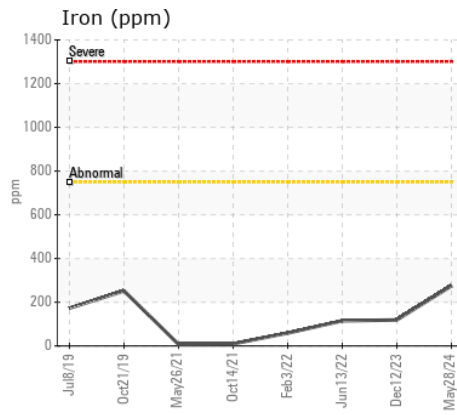
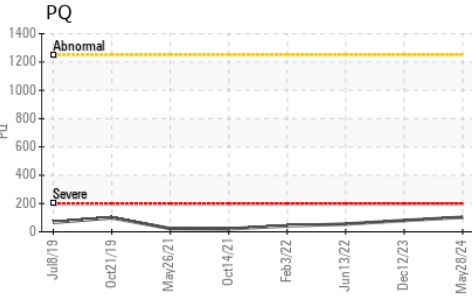
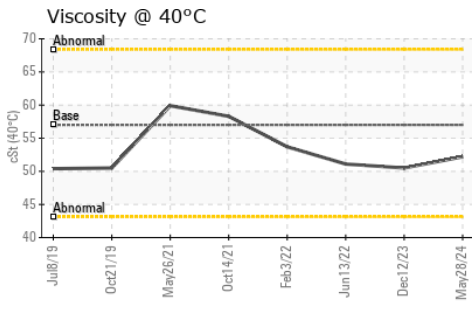
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>75	32	6	34
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water		WC Method	>0.075	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<1	0	1
Boron	ppm	ASTM D5185m	6	12	6	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	10	1	3
Manganese	ppm	ASTM D5185m		3	1	1
Magnesium	ppm	ASTM D5185m	145	132	109	96
Calcium	ppm	ASTM D5185m	3570	3389	3276	3353
Phosphorus	ppm	ASTM D5185m	1290	1088	1014	989
Zinc	ppm	ASTM D5185m	1640	1248	1240	1208
Sulfur	ppm	ASTM D5185m		4014	3591	3510
Visc @ 40°C	cSt	ASTM D445	57.0	52.2	50.5	51.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196946 **Received** : 29 May 2024
Lab Number : 06194288 **Tested** : 30 May 2024
Unique Number : 11056411 **Diagnosed** : 31 May 2024 - Don Baldrige
Test Package : MOBCE (Additional Tests: PQ)

JRE - HOPE MILLS/FAYETTEVILLE
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 HOPE MILLS, NC
 US 28348
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 F:

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)