



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W8765]
 Machine Id
JOHN DEERE 824K 1DW824KXPHF679619
 Component
Rear Differential
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W8765)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0197210	JR0008823	JR0183067
Sample Date		Client Info		16 Apr 2024	22 Jan 2024	20 Oct 2023
Machine Age	hrs	Client Info		13976	13495	12978
Oil Age	hrs	Client Info		12233	12551	978
Filter Age	hrs	Client Info		0	0	978
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		17	9	12
Iron	ppm	ASTM D5185m	>1501	13	11	12
Chromium	ppm	ASTM D5185m	>11	0	<1	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	<1	3	0
Lead	ppm	ASTM D5185m	>51	3	4	2
Copper	ppm	ASTM D5185m	>101	10	9	6
Tin	ppm	ASTM D5185m	>10	1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

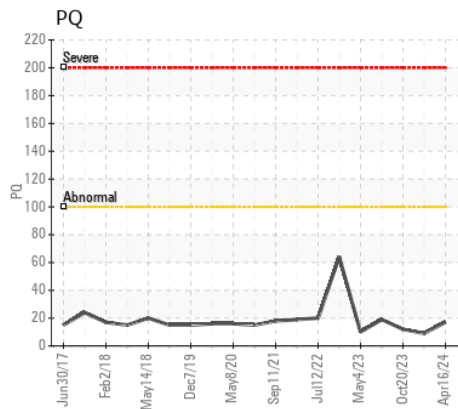
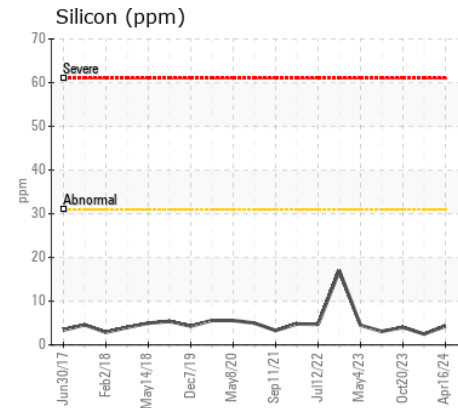
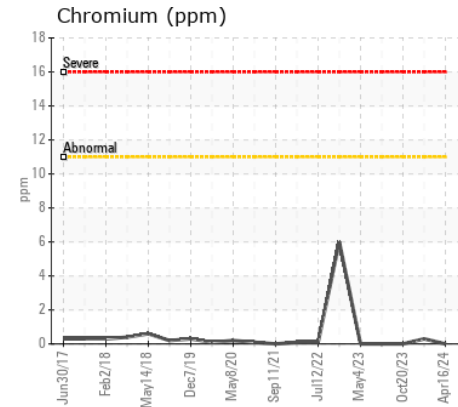
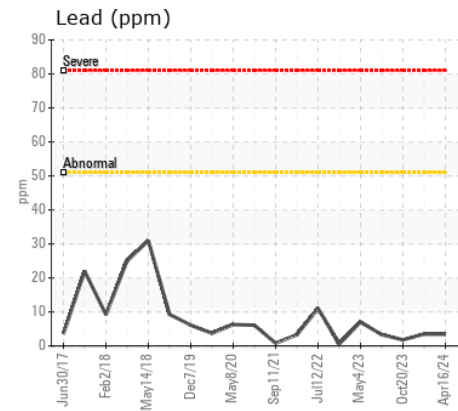
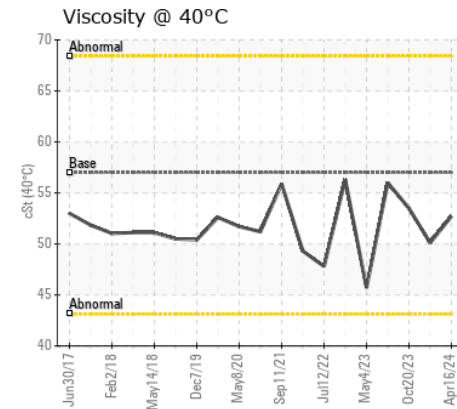
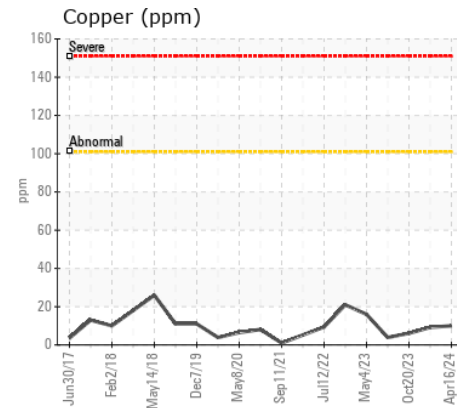
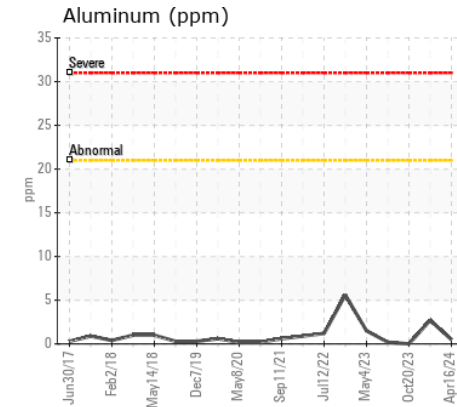
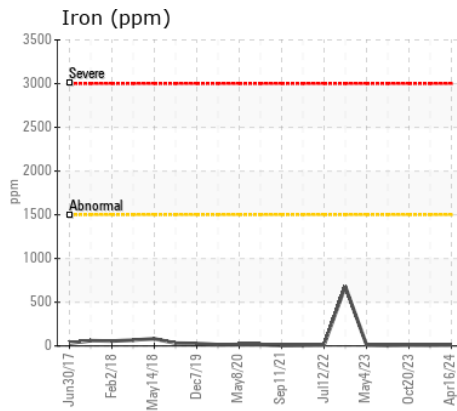
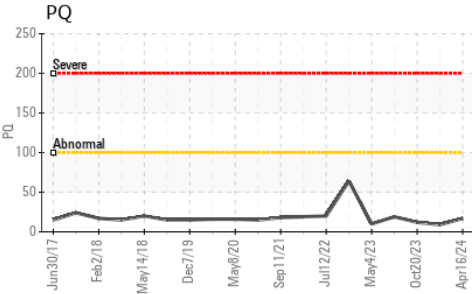
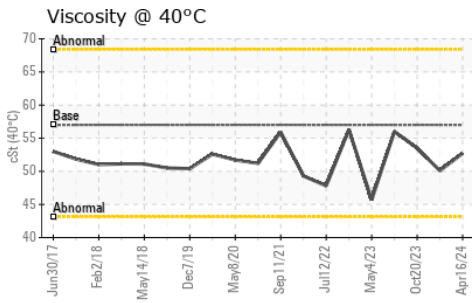
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	4	2	4
Potassium	ppm	ASTM D5185m	>20	0	2	0
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	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	2	0	<1
Boron	ppm	ASTM D5185m	6	2	5	7
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	1	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	145	87	94	91
Calcium	ppm	ASTM D5185m	3570	3211	3517	3315
Phosphorus	ppm	ASTM D5185m	1290	959	1051	1045
Zinc	ppm	ASTM D5185m	1640	1020	1258	1241
Sulfur	ppm	ASTM D5185m		3676	4347	3452
Visc @ 40°C	cSt	ASTM D445	57.0	52.7	50.1	53.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0197210 **Received** : 19 Apr 2024
Lab Number : 06154721 **Tested** : 22 Apr 2024
Unique Number : 10990144 **Diagnosed** : 23 Apr 2024 - Sean Felton
Test Package : MOBCE (Additional Tests: PQ)

JRE - HOPE MILLS/FAYETTEVILLE
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 HOPE MILLS, NC
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 Contact: FAYETTEVILLE SHOP
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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)