



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area

[W66998]

Machine Id

JOHN DEERE 850K 1T0850KXJHF323603

Component

Left Outer Final Drive

Fluid

JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (3 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: W66998)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0215462	JR0188425	JR0178767
Sample Date		Client Info		09 May 2024	07 Dec 2023	10 Aug 2023
Machine Age	hrs	Client Info		7483	7035	6546
Oil Age	hrs	Client Info		6450	6491	544
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	87	14	22
Iron	ppm	ASTM D5185m	>750	125	12	18
Chromium	ppm	ASTM D5185m	>9	1	0	<1
Nickel	ppm	ASTM D5185m	>10	1	0	0
Titanium	ppm	ASTM D5185m		1	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>40	14	1	1
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	<1	0	0
Tin	ppm	ASTM D5185m	>10	<1	<1	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

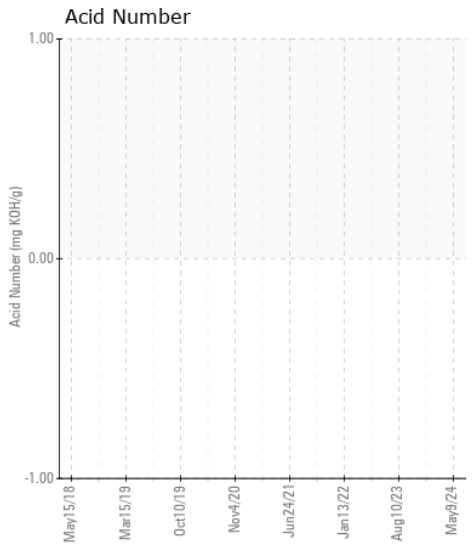
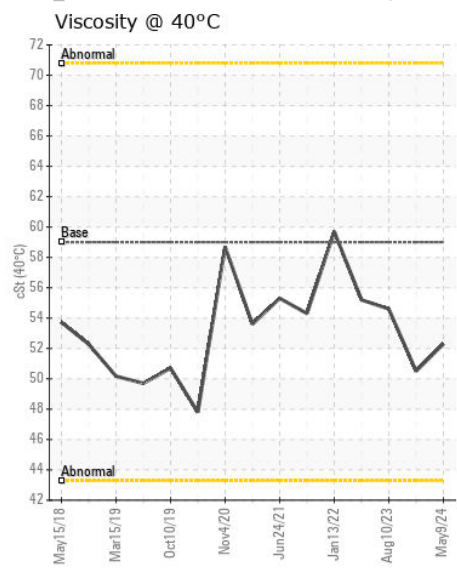
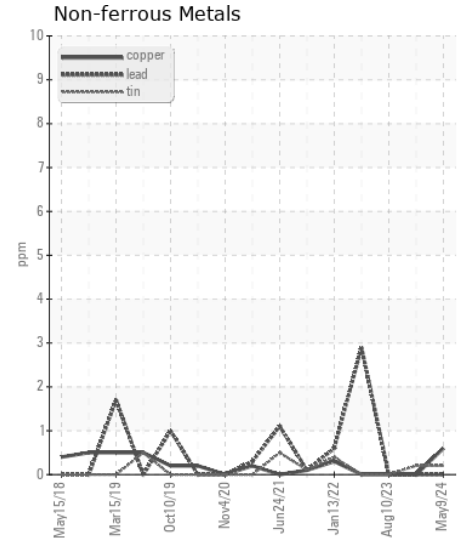
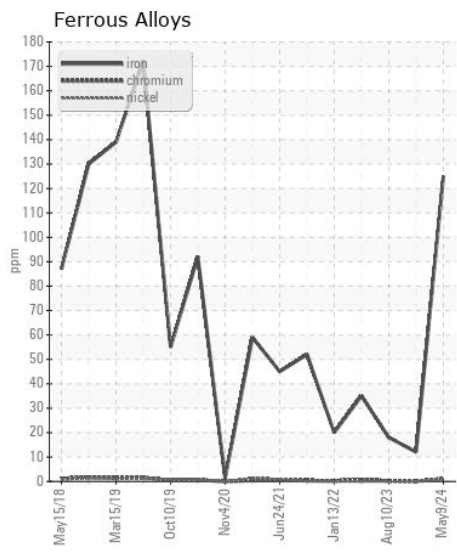
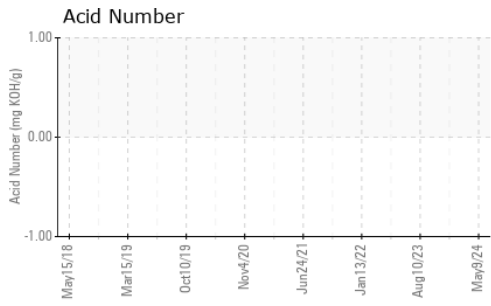
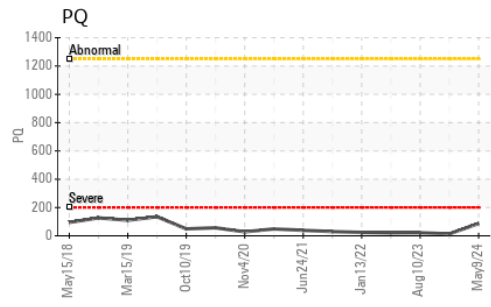
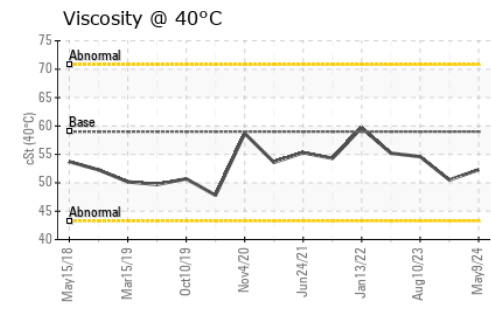
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>75	48	8	9
Potassium	ppm	ASTM D5185m	>20	4	0	0
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<1	<1	1
Boron	ppm	ASTM D5185m		2	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		101	105	104
Calcium	ppm	ASTM D5185m		3548	3420	3580
Phosphorus	ppm	ASTM D5185m		1166	1055	1037
Zinc	ppm	ASTM D5185m		1274	1264	1269
Sulfur	ppm	ASTM D5185m		4687	3524	4111
Visc @ 40°C	cSt	ASTM D445	59	52.3	50.5	54.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0215462
Lab Number : 06175772
Unique Number : 11021825
Test Package : CONST (Additional Tests: ICP, KV40, PQ, PrtCount, SCREEN, TAN Ma

Received : 10 May 2024
Tested : 14 May 2024
Diagnosed : 14 May 2024 - Sean Felton

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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)