



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
[W66998]
 Machine Id
JOHN DEERE 850K 1T0850KXJHF323603
 Component
Right 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		JR0215455	JR0188488	JR0178762
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		448	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	80	22	23
Iron	ppm	ASTM D5185m	>750	112	18	19
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	0
Aluminum	ppm	ASTM D5185m	>40	12	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

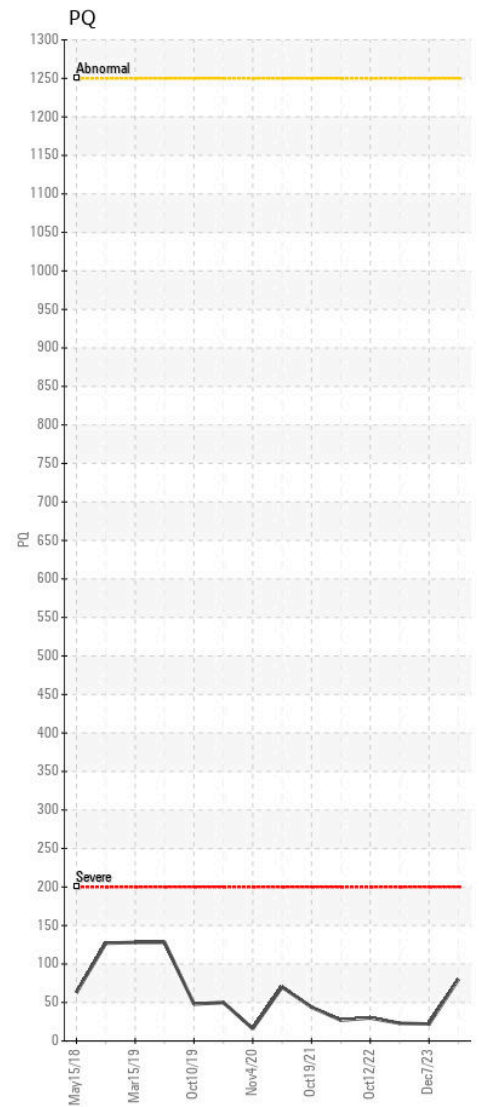
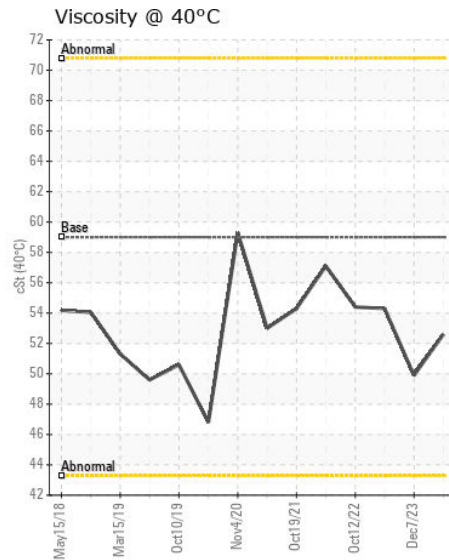
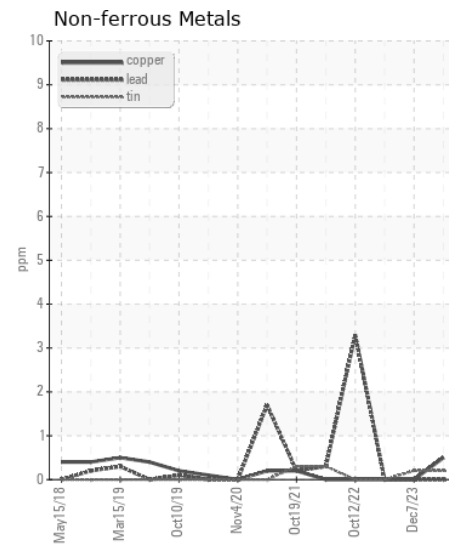
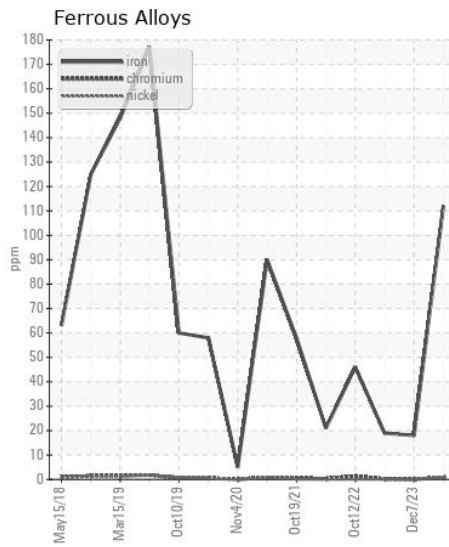
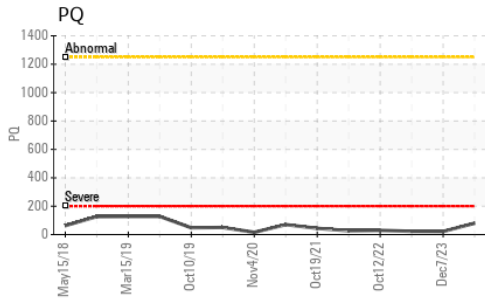
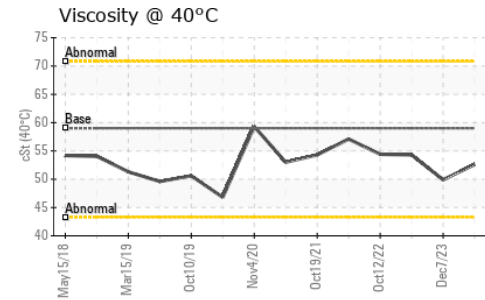
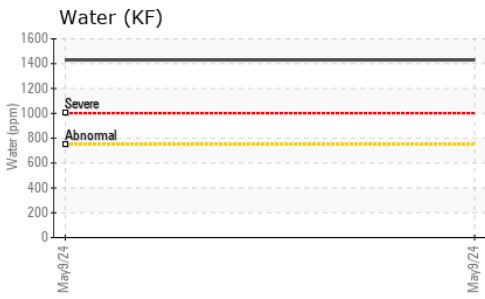
Moderate concentration of visible dirt/debris present in the oil. The water content is negligible.

Silicon	ppm	ASTM D5185m	>75	44	7	9
Potassium	ppm	ASTM D5185m	>20	4	0	0
Water	%	ASTM D6304	>0.075	0.143	---	---
ppm Water	ppm	ASTM D6304	>750	1430	---	---
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	0.2%	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		0	<1	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		102	104	105
Calcium	ppm	ASTM D5185m		3589	3368	3673
Phosphorus	ppm	ASTM D5185m		1189	1049	1058
Zinc	ppm	ASTM D5185m		1288	1251	1290
Sulfur	ppm	ASTM D5185m		4171	3515	4186
Visc @ 40°C	cSt	ASTM D445	59	52.6	49.9	54.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0215455 **Received** : 10 May 2024
Lab Number : 06175773 **Tested** : 14 May 2024
Unique Number : 11021826 **Diagnosed** : 14 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: KF, PQ)

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)

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