



WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 850L 1T0850LXKNF426545
 Component
Left Outer Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (18 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0149902	JR0157298	JR0132259
Sample Date		Client Info		20 Mar 2023	10 Jan 2023	25 Sep 2022
Machine Age	hrs	Client Info		1439	977	467
Oil Age	hrs	Client Info		0	977	467
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Filter Changed		Client Info		Not Changd	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	401	143	70
Iron	ppm	ASTM D5185m	>750	467	163	67
Chromium	ppm	ASTM D5185m	>9	2	1	<1
Nickel	ppm	ASTM D5185m	>10	2	<1	0
Titanium	ppm	ASTM D5185m		6	1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	▲ 89	14	3
Lead	ppm	ASTM D5185m	>15	0	<1	<1
Copper	ppm	ASTM D5185m	>40	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

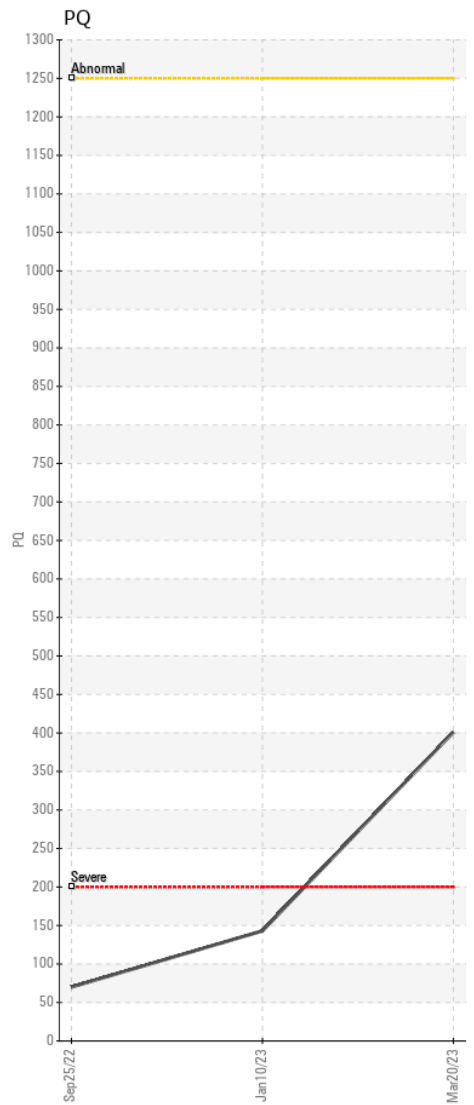
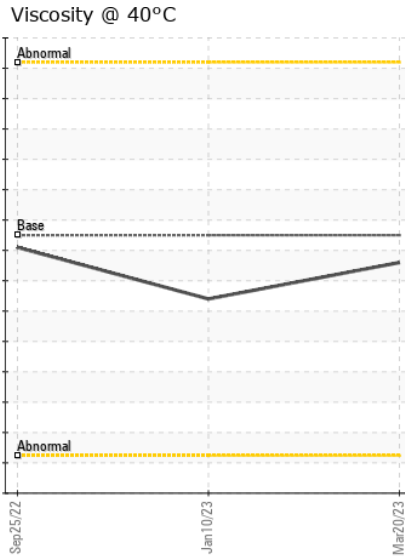
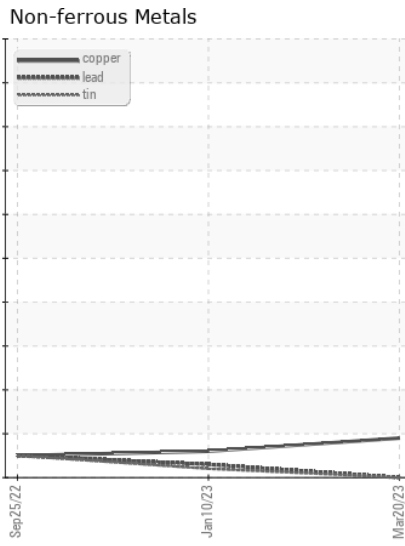
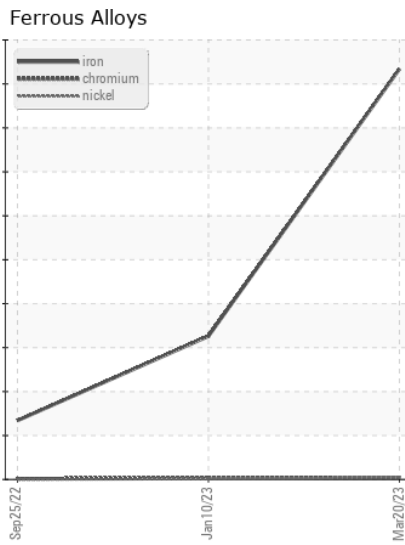
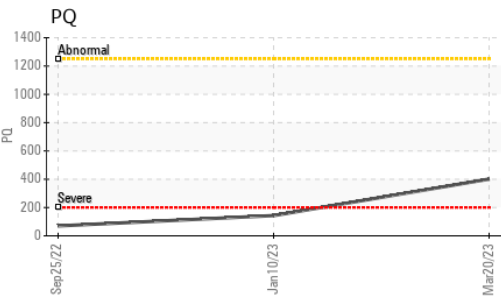
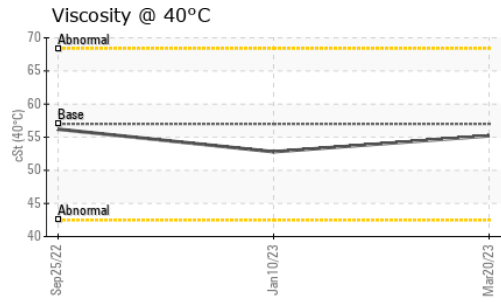
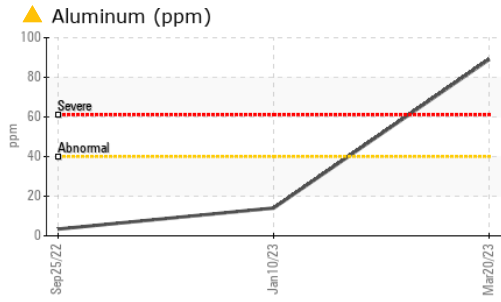
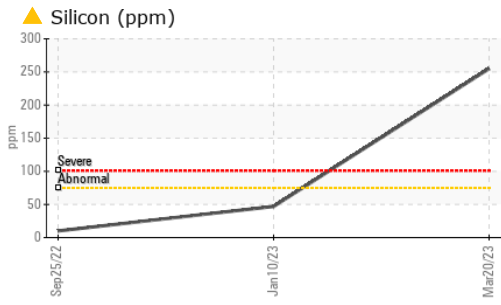
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 255	47	10
Potassium	ppm	ASTM D5185m	>20	27	2	<1
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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	8	3	2
Boron	ppm	ASTM D5185m	6	5	<1	0
Barium	ppm	ASTM D5185m	0	0	4	4
Molybdenum	ppm	ASTM D5185m	0	5	<1	<1
Manganese	ppm	ASTM D5185m		5	2	1
Magnesium	ppm	ASTM D5185m	145	127	103	93
Calcium	ppm	ASTM D5185m	3570	3475	3762	3304
Phosphorus	ppm	ASTM D5185m	1290	957	1071	938
Zinc	ppm	ASTM D5185m	1640	1162	1256	1172
Sulfur	ppm	ASTM D5185m		4084	4334	3933
Visc @ 40°C	cSt	ASTM D445	57.0	55.2	52.8	56.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0149902 **Received** : 21 Mar 2023
Lab Number : 05797790 **Diagnosed** : 24 Mar 2023
Unique Number : 10387474 **Diagnostician** : Don Baldrige
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)