



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[05W44255]

Machine Id

JOHN DEERE 850L 1T0850LXKNF426545

Component

Left Inner Final Drive

Fluid

JOHN DEERE HY-GARD HYD/TRANS (12 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0192033	JR0187785	JR0176035
Sample Date		Client Info		11 Jan 2024	20 Sep 2023	15 Jun 2023
Machine Age	hrs	Client Info		2977	2444	1944
Oil Age	hrs	Client Info		1000	500	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	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	19	14	31
Iron	ppm	ASTM D5185m	>750	16	12	46
Chromium	ppm	ASTM D5185m	>9	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	2	2	<1
Lead	ppm	ASTM D5185m	>15	0	<1	0
Copper	ppm	ASTM D5185m	>40	0	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

There is no indication of any contamination in the oil.

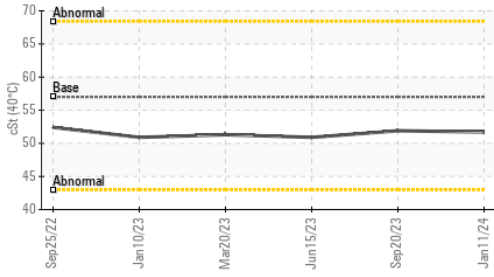
Silicon	ppm	ASTM D5185m	>75	8	7	10
Potassium	ppm	ASTM D5185m	>20	0	2	0
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG

FLUID CONDITION

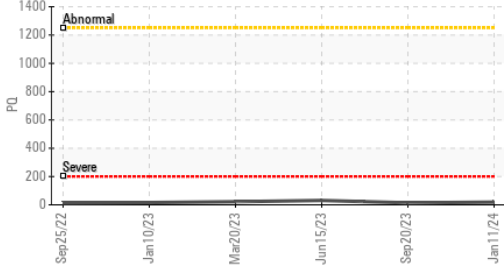
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<1	0	<1
Boron	ppm	ASTM D5185m	6	6	8	7
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	4	5	6
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	145	116	109	121
Calcium	ppm	ASTM D5185m	3570	3303	3403	3452
Phosphorus	ppm	ASTM D5185m	1290	1120	1049	1003
Zinc	ppm	ASTM D5185m	1640	1283	1292	1224
Sulfur	ppm	ASTM D5185m		3541	4213	4274
Visc @ 40°C	cSt	ASTM D445	57.0	51.7	51.9	50.9

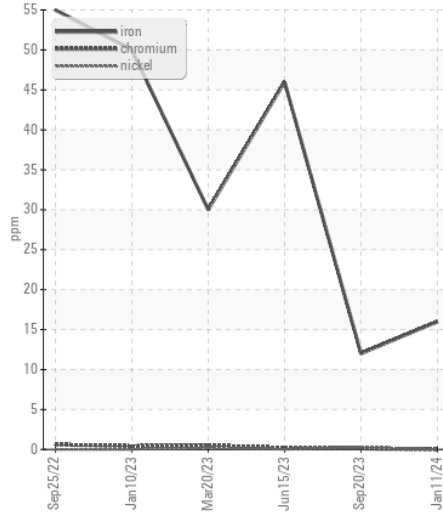
Viscosity @ 40°C



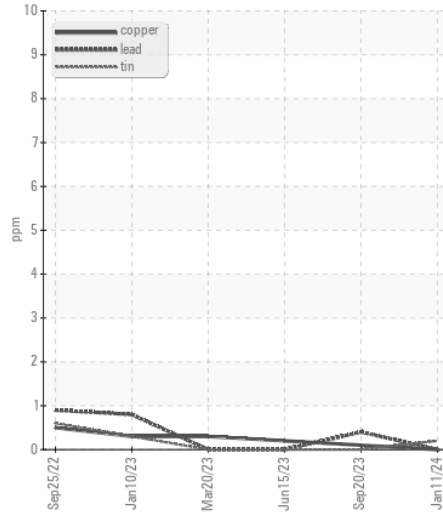
PQ



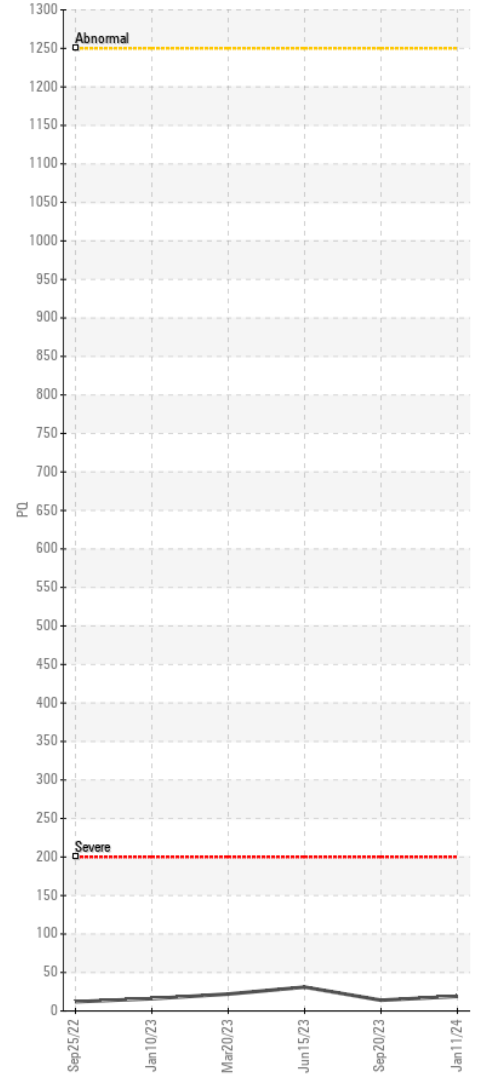
Ferrous Alloys



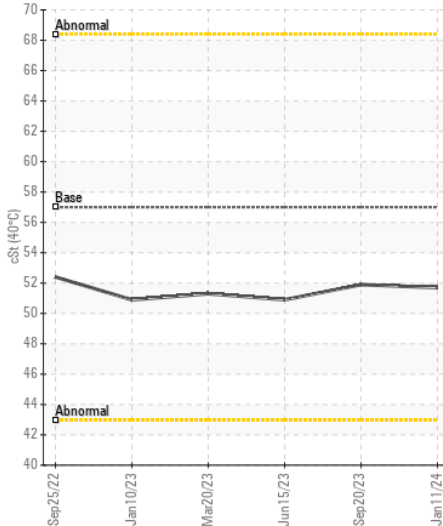
Non-ferrous Metals



PQ



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0192033 **Received** : 12 Jan 2024
Lab Number : 06060451 **Diagnosed** : 16 Jan 2024
Unique Number : 10831833 **Diagnostician** : Wes Davis
Test Package : CONST (Additional Tests: 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)

B & S SITE DEVELOPMENT
 7800 PINEY BRANCH LANE
 BRISTOW, VA
 US 20136

Contact: DANNY HUFF
 dhuff@bandssite.com

T: (540)270-3203
 F: (703)753-0605