



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 850K 1T0850KXCHF318430
Component
Right Inner Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (4 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0225153	JR0116895	JR0091508
Sample Date		Client Info		15 Jul 2024	29 Jan 2022	23 Jun 2021
Machine Age	hrs	Client Info		6230	4997	4519
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	44	247	54
Iron	ppm	ASTM D5185m	>750	86	342	75
Chromium	ppm	ASTM D5185m	>9	<1	3	<1
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	3	2	5
Lead	ppm	ASTM D5185m	>15	<1	<1	1
Copper	ppm	ASTM D5185m	>40	<1	<1	0
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	LIGHT	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

There is no indication of any contamination in the oil.

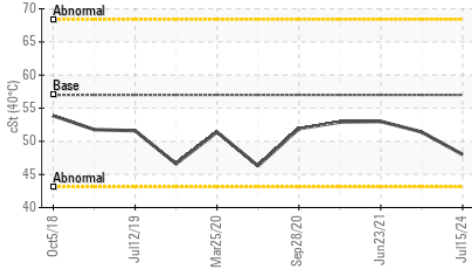
Silicon	ppm	ASTM D5185m	>75	18	9	21
Potassium	ppm	ASTM D5185m	>20	3	0	2
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	VLITE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG

FLUID CONDITION

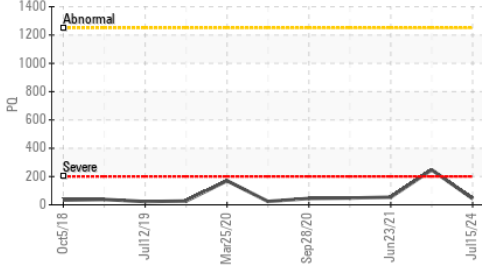
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	0	1	2
Boron	ppm	ASTM D5185m	6	9	19	23
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	8	12	12
Manganese	ppm	ASTM D5185m		1	3	<1
Magnesium	ppm	ASTM D5185m	145	119	131	137
Calcium	ppm	ASTM D5185m	3570	3392	3373	3504
Phosphorus	ppm	ASTM D5185m	1290	893	1012	1065
Zinc	ppm	ASTM D5185m	1640	1197	1175	1261
Sulfur	ppm	ASTM D5185m		3500	3125	3813
Visc @ 40°C	cSt	ASTM D445	57.0	48.0	51.4	53.0

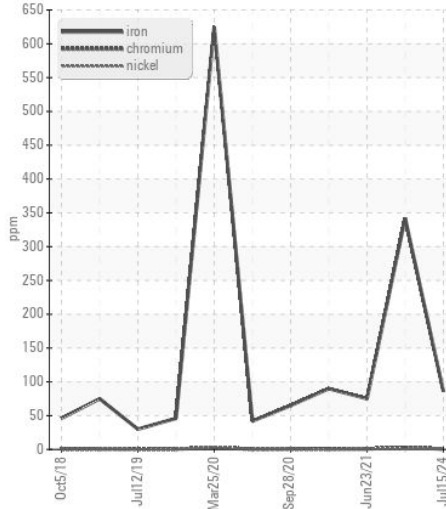
Viscosity @ 40°C



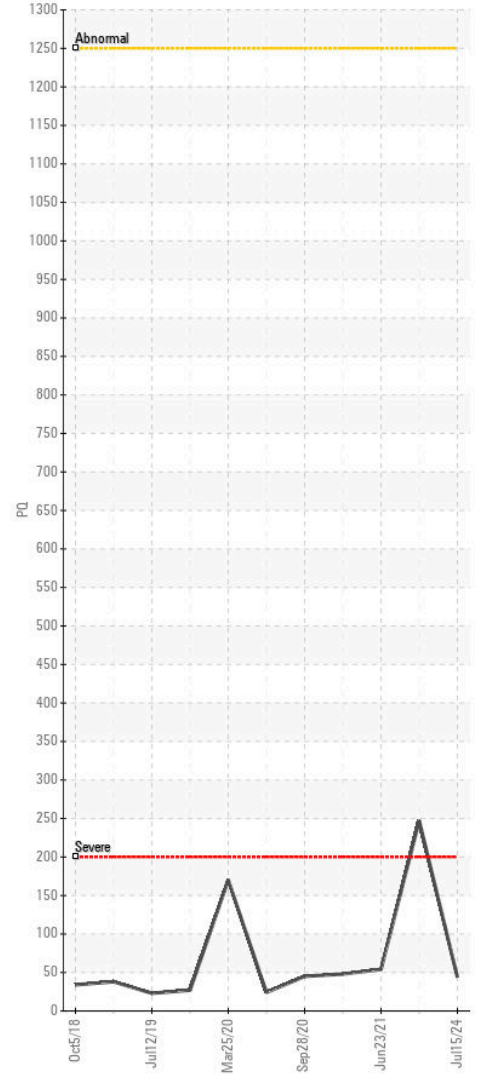
PQ



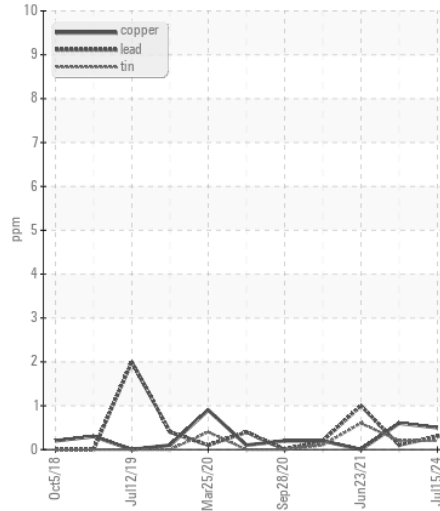
Ferrous Alloys



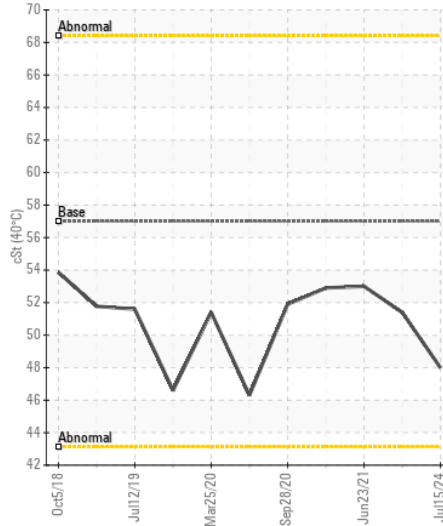
PQ



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : JR0225153
 Lab Number : 06239375
 Unique Number : 11128209
 Test Package : CONST (Additional Tests: PQ)

Received : 17 Jul 2024
 Tested : 18 Jul 2024
 Diagnosed : 18 Jul 2024 - Wes Davis

JRE - ASHLAND
 11047 LEADBETTER RD
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 US 23005
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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)