



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 1050K 1T01050KHLF373986
 Component
Left Outer Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (8 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214174	JR0201276	JR0193532
Sample Date		Client Info		29 May 2024	19 Mar 2024	18 Dec 2023
Machine Age	hrs	Client Info		12950	12804	12480
Oil Age	hrs	Client Info		146	12470	334
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
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	29	33	12
Iron	ppm	ASTM D5185m	>750	24	29	33
Chromium	ppm	ASTM D5185m	>9	0	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	<1	0	<1
Lead	ppm	ASTM D5185m	>15	0	0	1
Copper	ppm	ASTM D5185m	>40	0	0	0
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

There is no indication of any contamination in the oil.

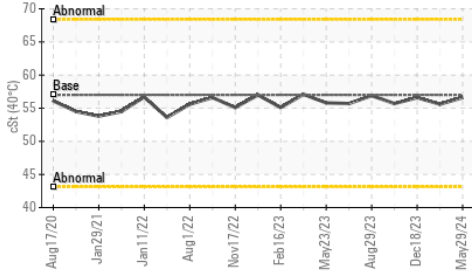
Silicon	ppm	ASTM D5185m	>75	6	7	8
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG

FLUID CONDITION

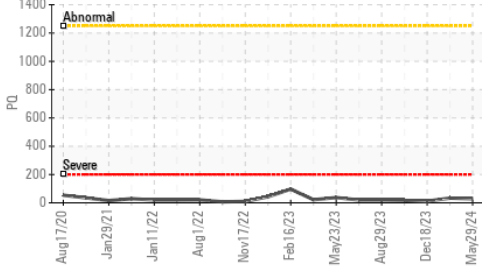
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	0	<1	0
Boron	ppm	ASTM D5185m	6	0	5	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	145	78	75	80
Calcium	ppm	ASTM D5185m	3570	2501	2610	3123
Phosphorus	ppm	ASTM D5185m	1290	944	932	915
Zinc	ppm	ASTM D5185m	1640	1133	1092	1133
Sulfur	ppm	ASTM D5185m		3362	4125	3449
Visc @ 40°C	cSt	ASTM D445	57.0	56.6	55.6	56.6

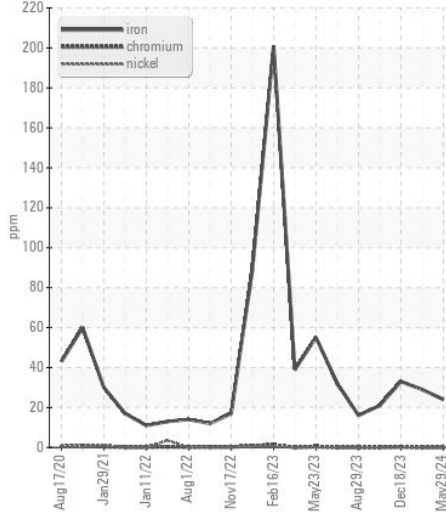
Viscosity @ 40°C



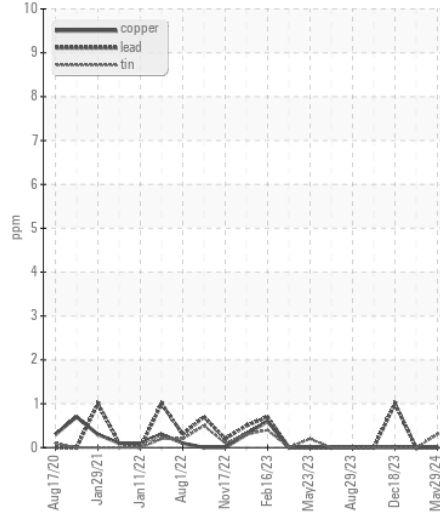
PQ



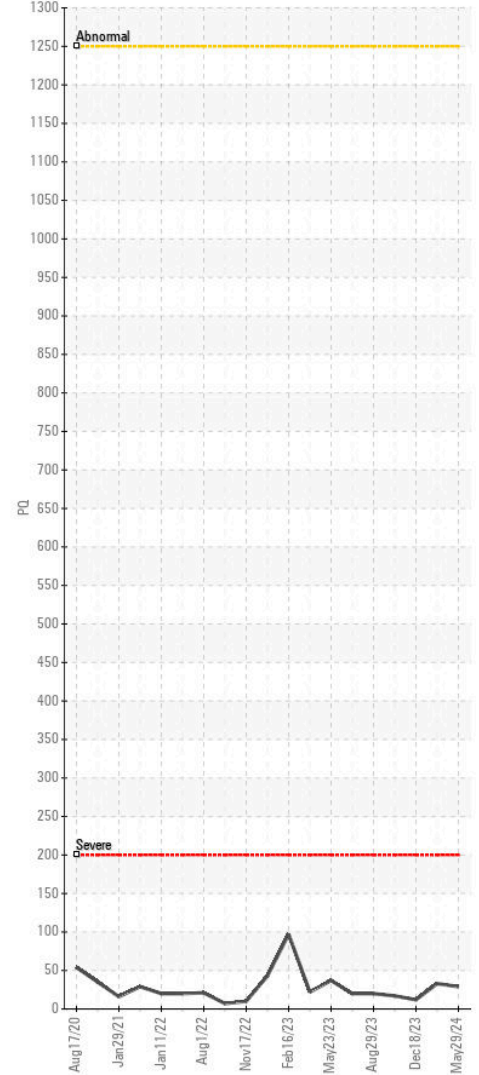
Ferrous Alloys



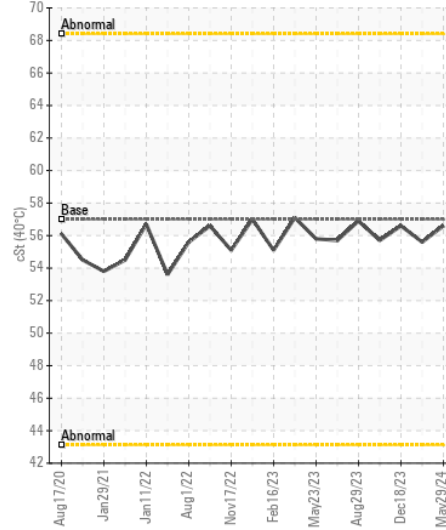
Non-ferrous Metals



PQ



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0214174

Lab Number : 06195658

Unique Number : 11057781

Test Package : CONST (Additional Tests: PQ)

Received : 30 May 2024

Tested : 31 May 2024

Diagnosed : 31 May 2024 - Wes Davis

JRE - NEW BERN
3816 MARTIN LUTHER KING BLVD
NEW BERN, NC
US 28562

Contact: NEW BERN SHOP

nick.etheridge@jamesriverequipment.com;canastasio@wearcheckusa.com

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)

T:
F: