



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W66220]
 Machine Id
JOHN DEERE 410E 1DW410EBCNF716050
 Component
Transmission (Auto)
 Fluid
JOHN DEERE HD SynTran (8 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W66220)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206684	JR0192685	JR0188684
Sample Date		Client Info		16 Apr 2024	19 Dec 2023	18 Sep 2023
Machine Age	hrs	Client Info		2510	2017	1505
Oil Age	hrs	Client Info		2510	2017	1505
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Not Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	26	27	25
Iron	ppm	ASTM D5185m	>160	38	57	43
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	<1	1	3
Lead	ppm	ASTM D5185m	>50	0	<1	<1
Copper	ppm	ASTM D5185m	>225	1	2	3
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
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 fluid.

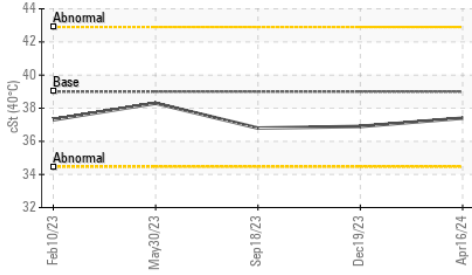
Silicon	ppm	ASTM D5185m	>20	4	6	7
Potassium	ppm	ASTM D5185m	>20	<1	1	2
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	▲ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

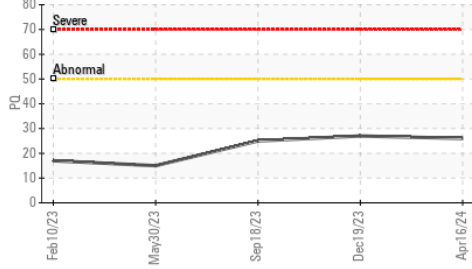
The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		2	3	6
Boron	ppm	ASTM D5185m	168	129	113	122
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	2
Magnesium	ppm	ASTM D5185m		<1	<1	<1
Calcium	ppm	ASTM D5185m	33	122	147	117
Phosphorus	ppm	ASTM D5185m	330	279	272	251
Zinc	ppm	ASTM D5185m	0	24	32	11
Sulfur	ppm	ASTM D5185m	980	477	489	512
Visc @ 40°C	cSt	ASTM D445	39	37.4	36.9	36.8

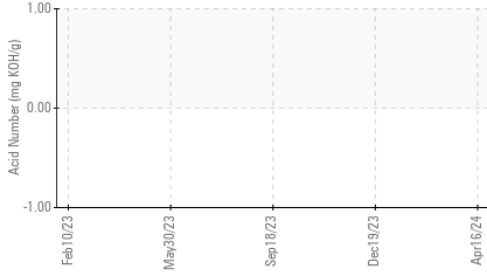
Viscosity @ 40°C



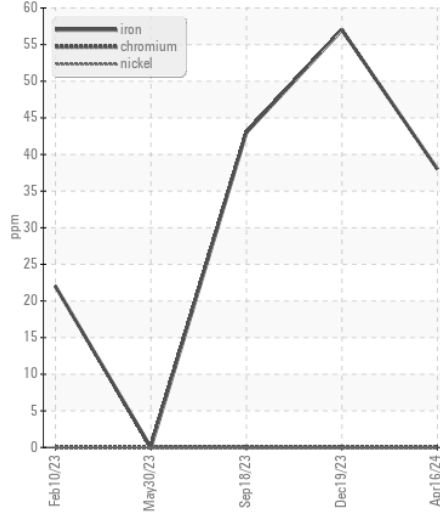
PQ



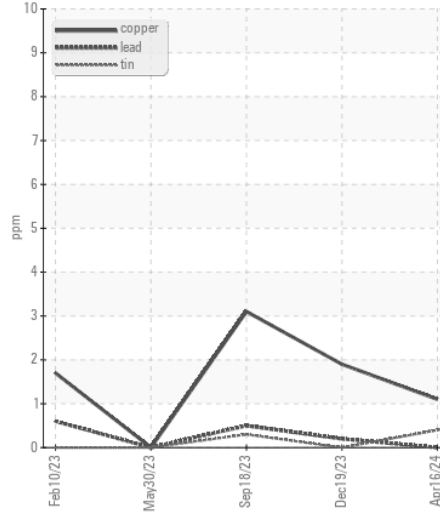
Acid Number



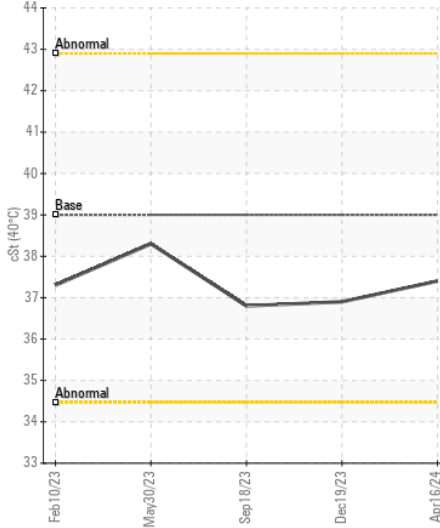
Ferrous Alloys



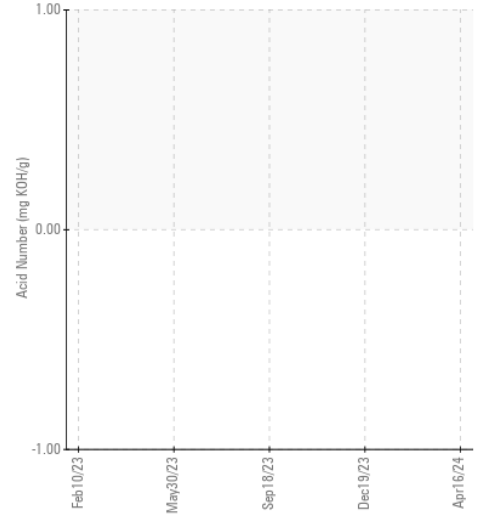
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

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

Sample No. : JR0206684

Lab Number : 06153352

Unique Number : 10983430

Test Package : CONST (Additional Tests: ICP, KV40, PQ, PrtCount, SCREEN, TAN Ma

Received : 18 Apr 2024

Tested : 22 Apr 2024

Diagnosed : 22 Apr 2024 - Sean Felton

JRE - CHARLOTTE

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CHARLOTTE, NC

US 28269

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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)