CONST

James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 410E-II 1DW410ELKNF713302
Component
Transmission (Auto)
Fluid
JOHN DEERE HD SynTran (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

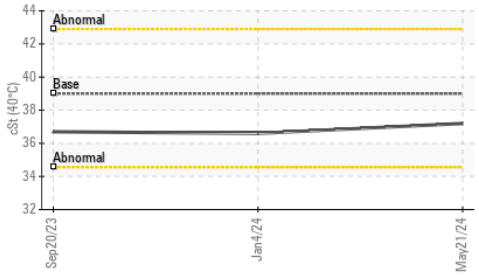
There is no indication of any contamination in the fluid.

FLUID CONDITION

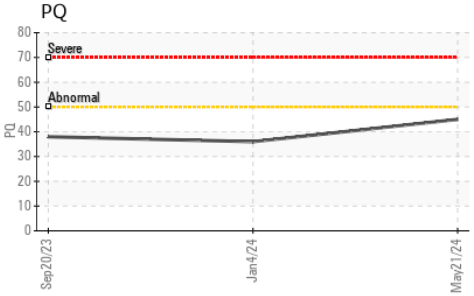
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0213295	JR0194443	JR0187206
Sample Date		Client Info		21 May 2024	04 Jan 2024	20 Sep 2023
Machine Age	hrs	Client Info		2236	1537	1099
Oil Age	hrs	Client Info		0	0	1099
Filter Age	hrs	Client Info		0	0	1099
Oil Changed		Client Info		N/A	N/A	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184	>50	45	36	38
Iron	ppm	ASTM D5185m	>160	113	83	75
Chromium	ppm	ASTM D5185m	>5	<1	<1	0
Nickel	ppm	ASTM D5185m	>5	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>5	<1	0	0
Aluminum	ppm	ASTM D5185m	>50	2	2	<1
Lead	ppm	ASTM D5185m	>50	2	2	<1
Copper	ppm	ASTM D5185m	>225	9	2	2
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	7	7	6
Potassium	ppm	ASTM D5185m	>20	3	3	3
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		4	0	2
Boron	ppm	ASTM D5185m	168	111	118	140
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	2	1
Manganese	ppm	ASTM D5185m		2	2	1
Magnesium	ppm	ASTM D5185m		8	6	5
Calcium	ppm	ASTM D5185m	33	176	114	147
Phosphorus	ppm	ASTM D5185m	330	300	289	286
Zinc	ppm	ASTM D5185m	0	48	10	32
Sulfur	ppm	ASTM D5185m	980	567	410	514
Visc @ 40°C	cSt	ASTM D445	39	37.2	36.6	36.7

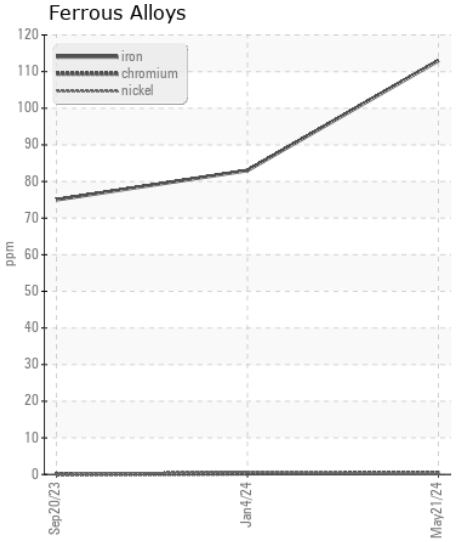
Viscosity @ 40°C



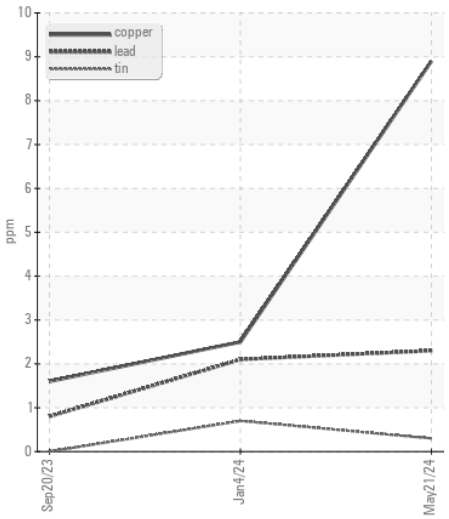
PQ



Ferrous Alloys



Non-ferrous Metals



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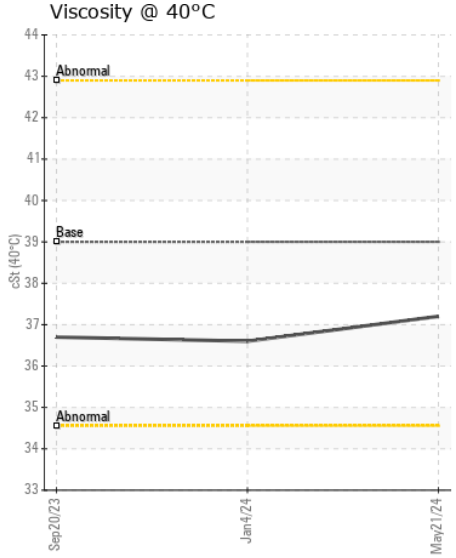
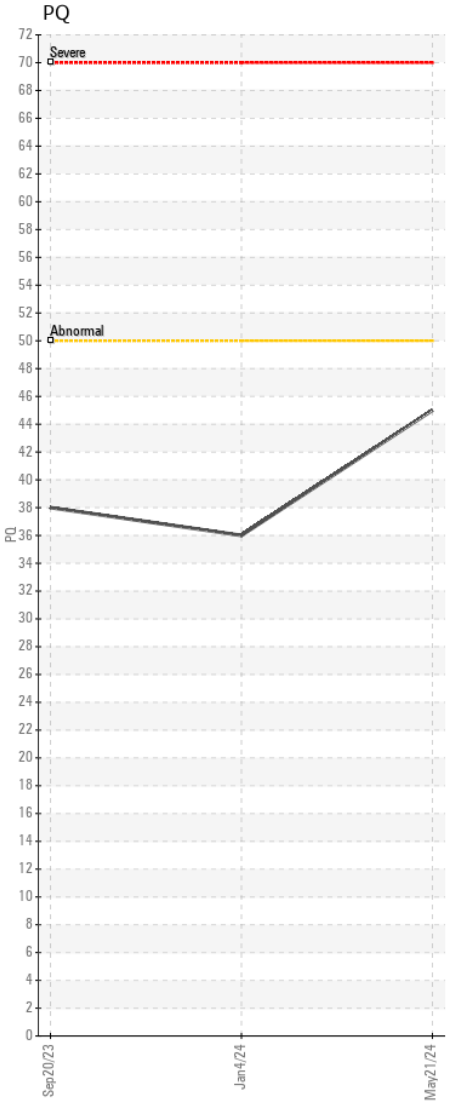


PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0213295
Lab Number : 06187915
Unique Number : 11044667
Test Package : CONST (Additional Tests: PQ)

Received : 22 May 2024
Tested : 23 May 2024
Diagnosed : 23 May 2024 - Wes Davis

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)

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