CONST

James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 410E-II 1DW410ELJMF710562
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU (46 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: Sample #6)

WEAR

All component wear rates are normal.

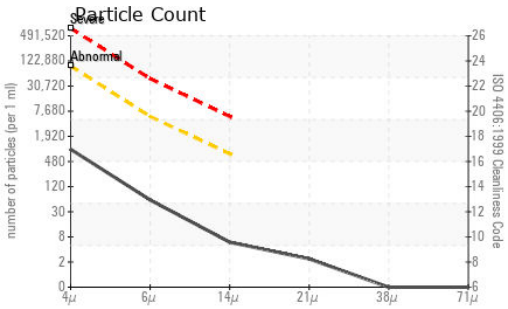
CONTAMINATION

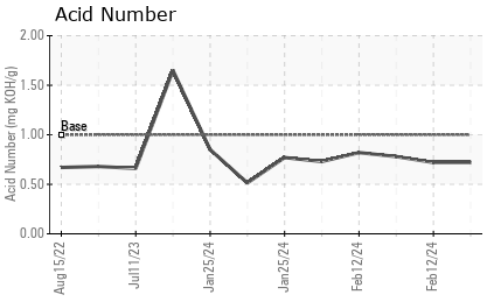
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

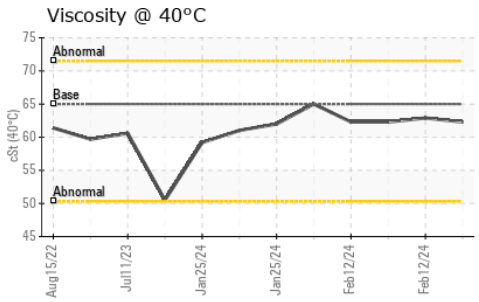
FLUID CONDITION

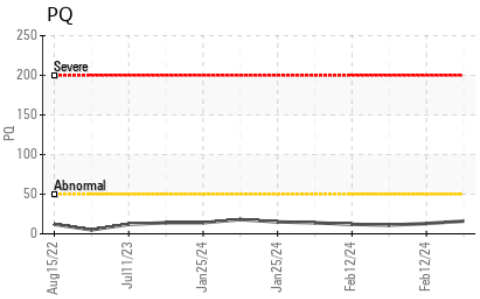
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

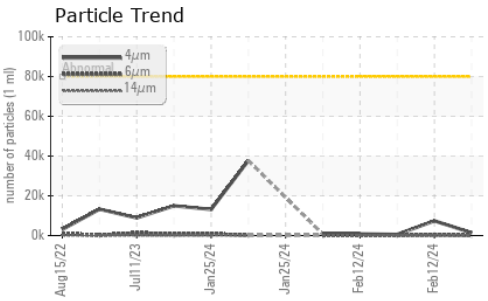
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0203450	JR0203448	JR0203458
Sample Date		Client Info		12 Feb 2024	12 Feb 2024	12 Feb 2024
Machine Age	hrs	Client Info		3711	3711	3712
Oil Age	hrs	Client Info		3711	3711	3712
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
PQ		ASTM D8184	>50	16	13	11
Iron	ppm	ASTM D5185m	>71	0	0	0
Chromium	ppm	ASTM D5185m	>11	0	0	0
Nickel	ppm	ASTM D5185m	>6	<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>11	0	<1	<1
Lead	ppm	ASTM D5185m	>13	0	0	0
Copper	ppm	ASTM D5185m	>21	0	0	0
Tin	ppm	ASTM D5185m	>5	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>24	<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	824	588	7403
Particles >6µm		ASTM D7647	>5000	51	61	311
Particles >14µm		ASTM D7647	>640	5	11	16
Particles >21µm		ASTM D7647	>160	2	4	4
Particles >38µm		ASTM D7647	>40	0	0	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/19/16	17/13/10	16/13/11	20/15/11
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
Sodium	ppm	ASTM D5185m	>21	0	0	<1
Boron	ppm	ASTM D5185m		0	0	1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	1
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		2	2	8
Calcium	ppm	ASTM D5185m	87	103	118	115
Phosphorus	ppm	ASTM D5185m	727	673	676	676
Zinc	ppm	ASTM D5185m	900	889	892	892
Sulfur	ppm	ASTM D5185m	1500	1731	1708	1719
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.72	0.72	0.78
Visc @ 40°C	cSt	ASTM D445	65	62.3	62.9	62.3

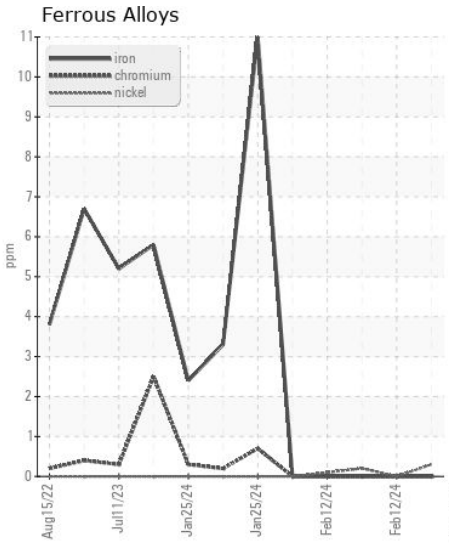


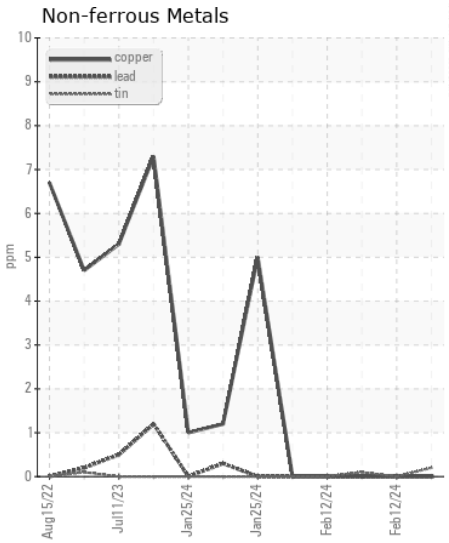


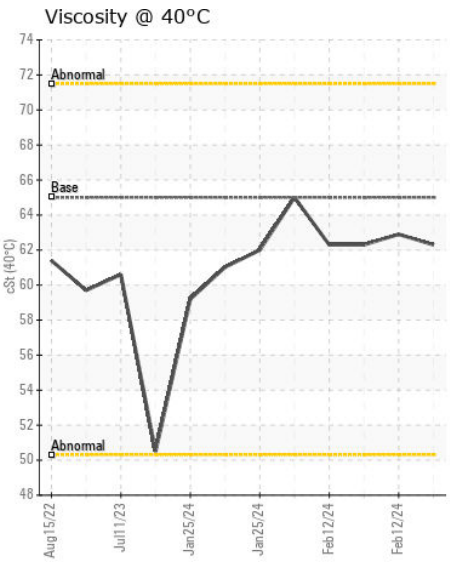


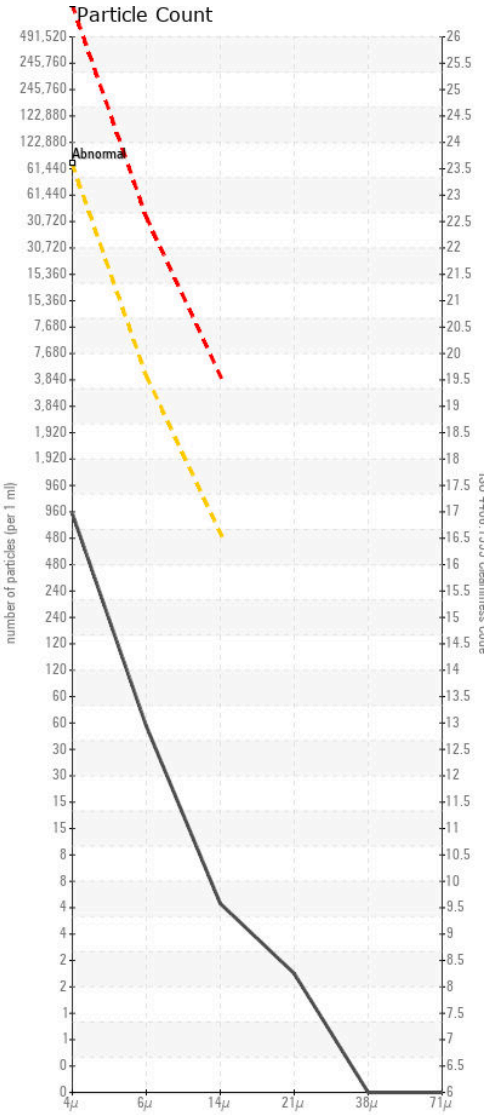


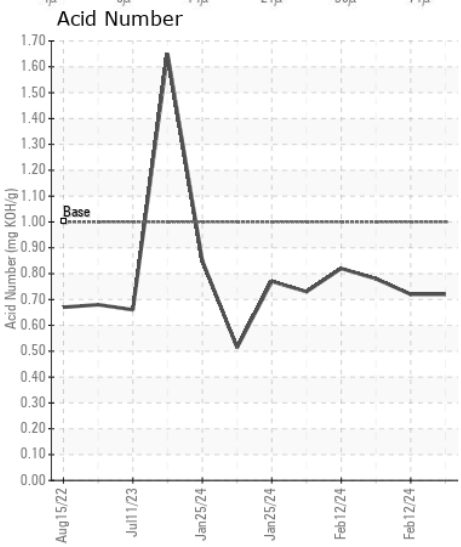












Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0203450
Lab Number : 06088697
Unique Number : 10876142
Test Package : CONST (Additional Tests: PQ)

Received : 14 Feb 2024
Tested : 15 Feb 2024
Diagnosed : 15 Feb 2024 - Jonathan Hester

Certificate L2367

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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