LESLIE EQUIPMENT CO.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JLG TH-07
Component
Hydraulic System
Fluid
JOHN DEERE (40 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

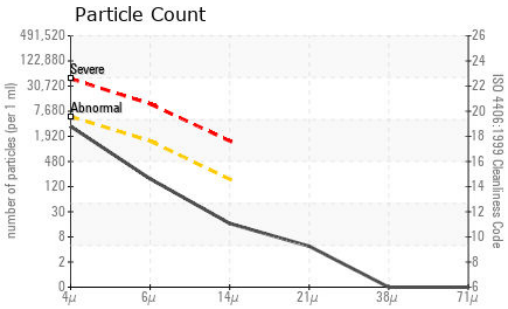
CONTAMINATION

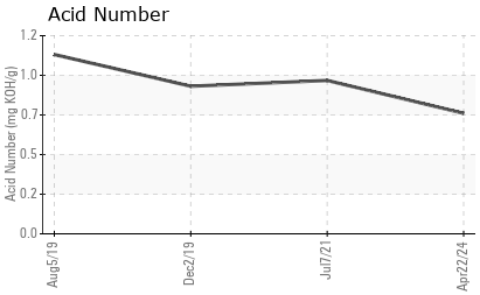
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

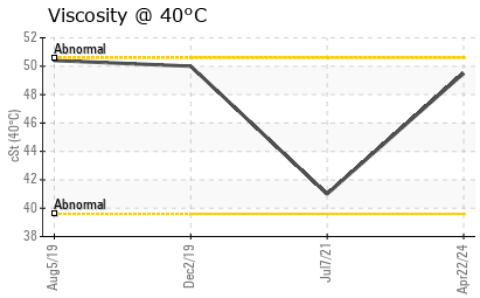
FLUID CONDITION

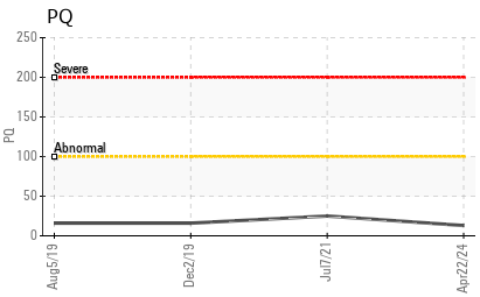
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

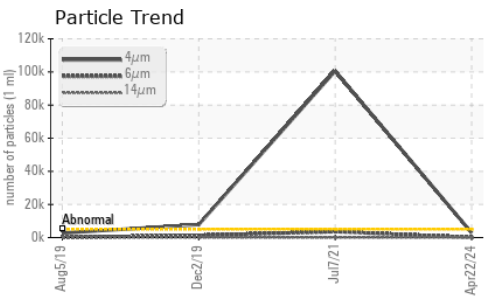
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0049414	LEC0001170	LEC0010682
Sample Date		Client Info		22 Apr 2024	07 Jul 2021	02 Dec 2019
Machine Age	hrs	Client Info		5109	2793	1923
Oil Age	hrs	Client Info		5109	2793	1923
Filter Age	hrs	Client Info		500	1000	1923
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Changed	N/A	Not Changd
Sample Status				NORMAL	ABNORMAL	ATTENTION
PQ		ASTM D8184		13	25	16
Iron	ppm	ASTM D5185m	>20	0	▲ 25	3
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	▲ 6	<1
Copper	ppm	ASTM D5185m	>75	<1	▲ 43	<1
Tin	ppm	ASTM D5185m	>10	<1	0	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	>20	12	8	13
Potassium	ppm	ASTM D5185m	>20	0	1	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	2909	▲ 100572	● 7841
Particles >6µm		ASTM D7647	>1300	163	▲ 3546	● 1335
Particles >14µm		ASTM D7647	>160	14	18	58
Particles >21µm		ASTM D7647	>40	4	4	24
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/15/11	▲ 24/19/11	● 20/18/13
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		3	2	1
Boron	ppm	ASTM D5185m		83	87	83
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		24	44	21
Calcium	ppm	ASTM D5185m		2689	3552	2958
Phosphorus	ppm	ASTM D5185m		983	1061	1029
Zinc	ppm	ASTM D5185m		1054	1318	1150
Sulfur	ppm	ASTM D5185m		6787	5071	5345
Acid Number (AN)	mg KOH/g	ASTM D8045		0.73	0.929	0.894
Visc @ 40°C	cSt	ASTM D445		49.5	41.0	50.0

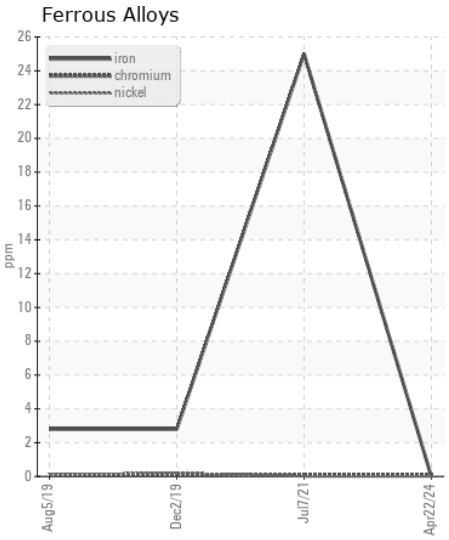


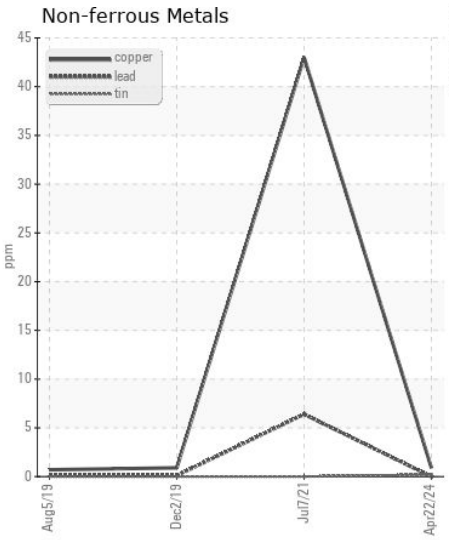


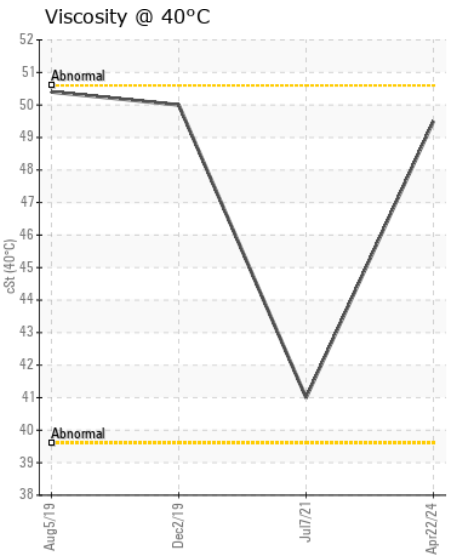


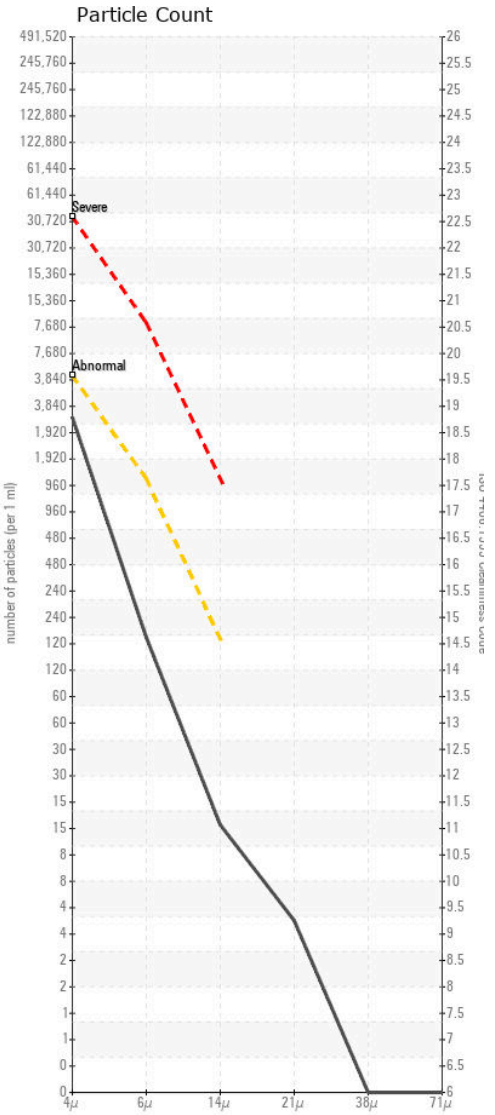


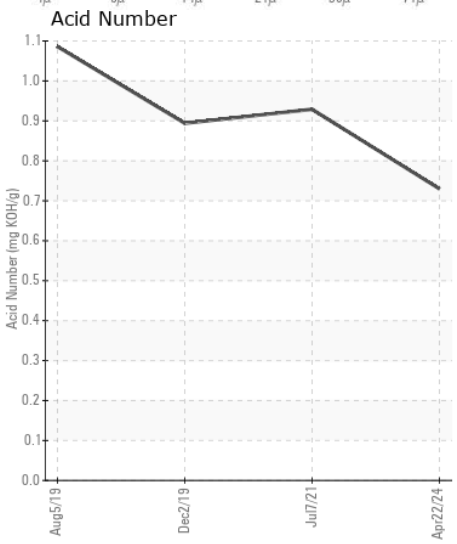












Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0049414 **Received** : 14 May 2024
Lab Number : 06178591 **Tested** : 15 May 2024
Unique Number : 11029917 **Diagnosed** : 15 May 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

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)

APEX PIPELINE
P.O. BOX 580
NITRO, WV
US 25143
Contact: KELLY TUCKER

T: (304)204-0080
F: (304)204-0083

Report Id: APENIT [WUSCAR] 06178591 (Generated: 05/15/2024 13:12:41) Rev: 1

Submitted By: STORE 5 - CROSS LANES - NEIL BALL