LESLIE EQUIPMENT CO.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 9 - Marietta
Machine Id
JOHN DEERE 850K 1T0850KXEKF349022
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU (30 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

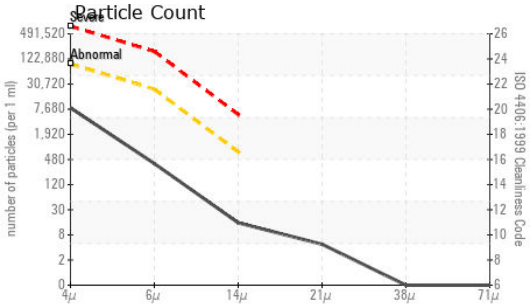
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

FLUID CONDITION

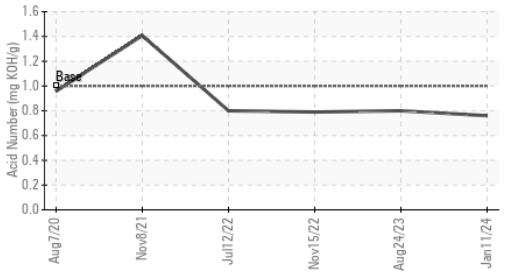
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0047223	LEC0044103	LEC0033903
Sample Date		Client Info		11 Jan 2024	24 Aug 2023	15 Nov 2022
Machine Age	hrs	Client Info		2876	2317	1816
Oil Age	hrs	Client Info		2876	2317	1816
Filter Age	hrs	Client Info		1922	1363	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
PQ		ASTM D8184	>50	12	10	11
Iron	ppm	ASTM D5185m	>23	16	12	18
Chromium	ppm	ASTM D5185m	>9	3	3	4
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>9	2	3	4
Lead	ppm	ASTM D5185m	>28	<1	1	2
Copper	ppm	ASTM D5185m	>51	5	4	4
Tin	ppm	ASTM D5185m	>5	0	0	<1
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	>31	4	3	5
Potassium	ppm	ASTM D5185m	>20	4	4	2
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	7220	2275	▲ 33067
Particles >6µm		ASTM D7647	>20000	337	234	800
Particles >14µm		ASTM D7647	>640	13	28	26
Particles >21µm		ASTM D7647	>160	4	7	4
Particles >38µm		ASTM D7647	>40	0	0	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/21/16	20/16/11	18/15/12	▲ 22/17/12
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	0
Barium	ppm	ASTM D5185m		3	1	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		1	3	2
Calcium	ppm	ASTM D5185m	87	139	139	172
Phosphorus	ppm	ASTM D5185m	727	728	605	624
Zinc	ppm	ASTM D5185m	900	863	853	869
Sulfur	ppm	ASTM D5185m	1500	2016	1855	2066
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.76	0.80	0.79
Visc @ 40°C	cSt	ASTM D445	65	57.5	57.7	57.5

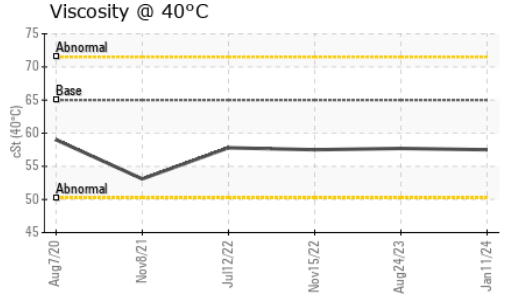
Particle Count



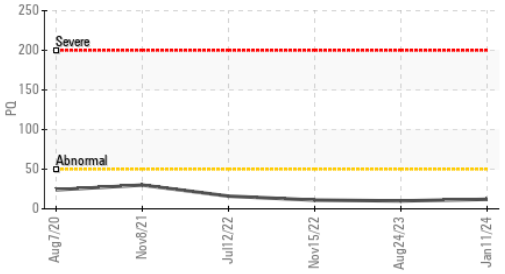
Acid Number



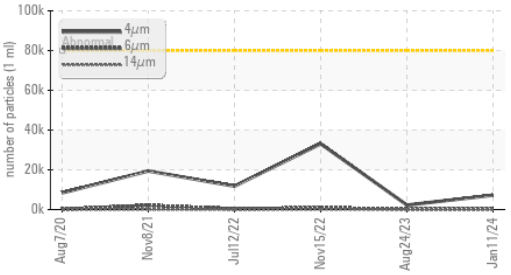
Viscosity @ 40°C



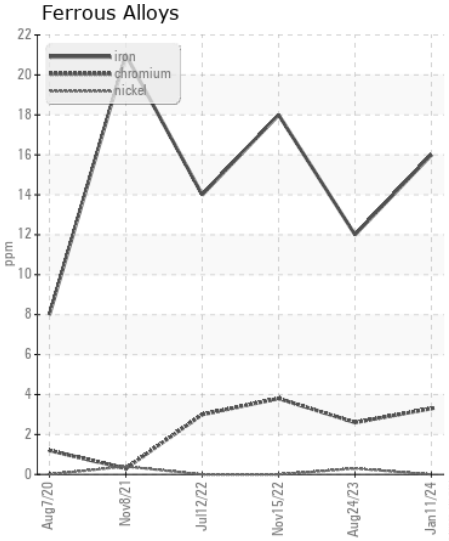
PQ



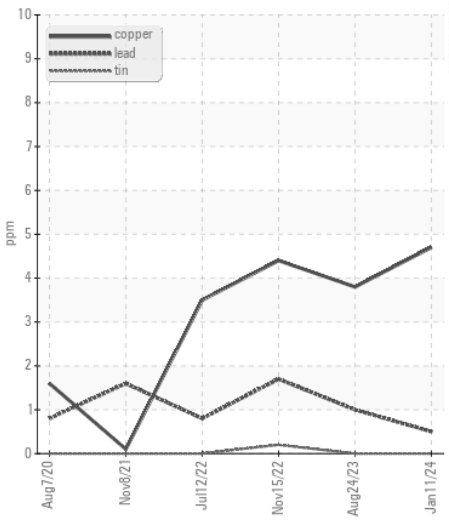
Particle Trend



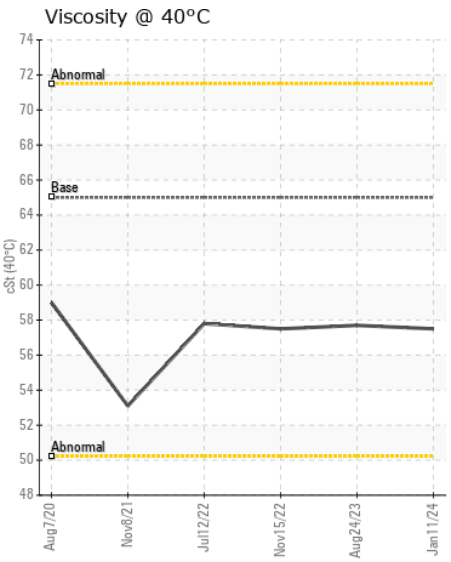
Ferrous Alloys



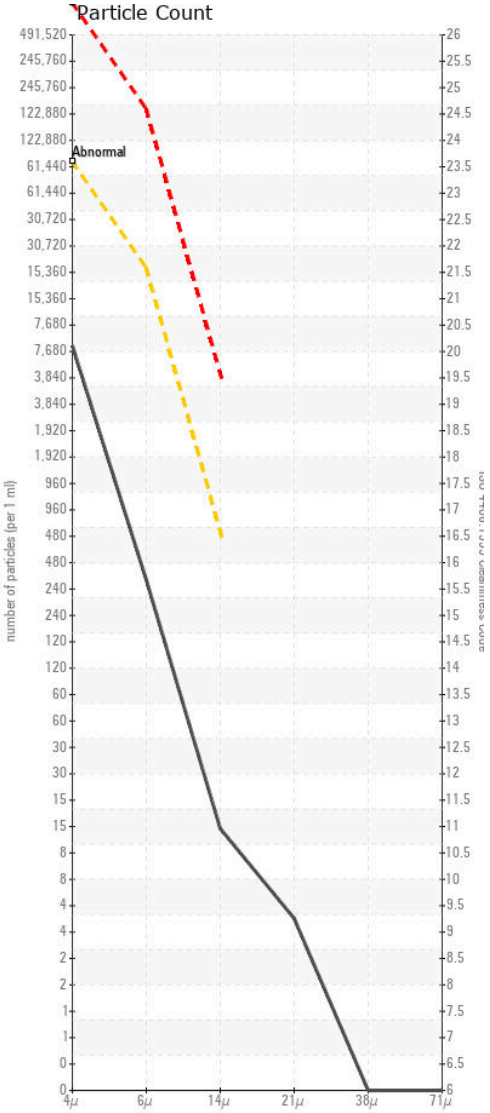
Non-ferrous Metals



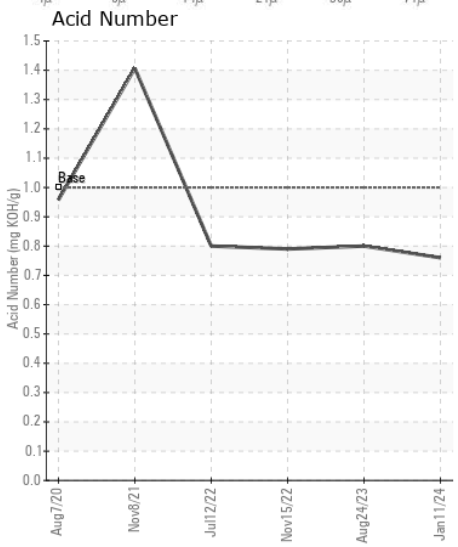
Viscosity @ 40°C



Particle Count



Acid Number



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047223 **Recieved** : 17 Jan 2024
Lab Number : 06063507 **Diagnosed** : 19 Jan 2024
Unique Number : 10834889 **Diagnostician** : Wes Davis
Test Package : CONST (Additional Tests: PQ)

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)

LESLIE EQUIPMENT COMPANY
105 TENNIS CENTER DR.
MARIETTA, OH
US 45750-9765
Contact: LEANNE KENDALL
KendalLeanne@lec1.com
T:
F: (740)373-5570