LESLIE EQUIPMENT CO.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 3 - Norton
Machine Id
JOHN DEERE 250G 1FF250GXKNF612004
Component
Hydraulic System
Fluid
HITACHI HYDRAULIC SUPER EX 46HN (63 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: RESAMPLE AFTER A FILTER CADDY. WATER CONTAMINATION)

WEAR

All component wear rates are normal.

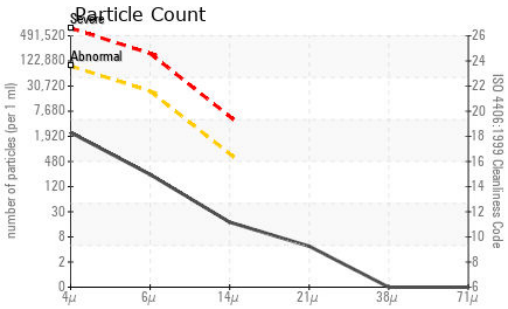
CONTAMINATION

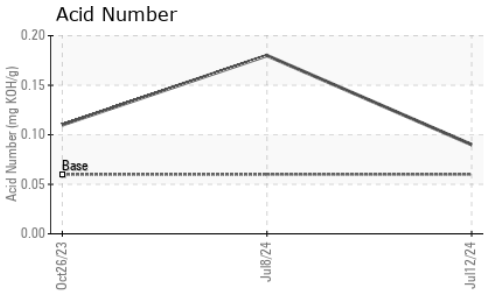
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

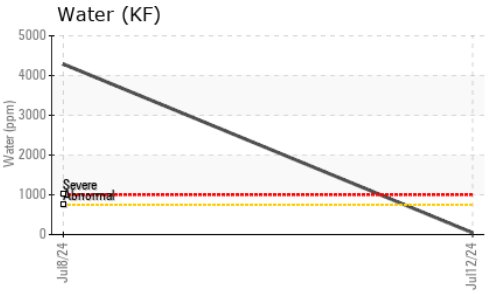
FLUID CONDITION

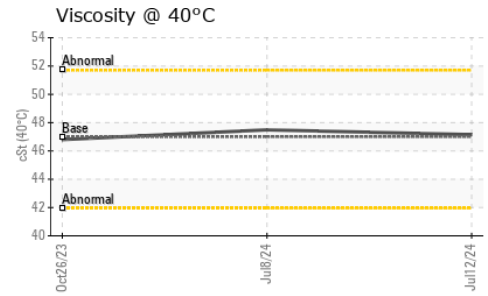
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

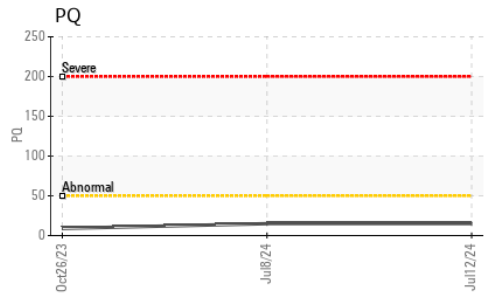
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0052049	LEC0049653	LEC0045106
Sample Date		Client Info		12 Jul 2024	08 Jul 2024	26 Oct 2023
Machine Age	hrs	Client Info		511	482	461
Oil Age	hrs	Client Info		511	482	461
Filter Age	hrs	Client Info		511	482	461
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	ABNORMAL	NORMAL
PQ		ASTM D8184	>50	15	15	9
Iron	ppm	ASTM D5185m	>32	2	4	2
Chromium	ppm	ASTM D5185m	>9	<1	<1	0
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>9	3	2	1
Lead	ppm	ASTM D5185m	>28	0	<1	<1
Copper	ppm	ASTM D5185m	>50	2	4	3
Tin	ppm	ASTM D5185m	>5	0	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>11	<1	1	1
Potassium	ppm	ASTM D5185m	>20	1	6	4
Water	%	ASTM D6304	>0.075	0.004	▲ 0.429	---
ppm Water	ppm	ASTM D6304	>750	43.8	▲ 4290	---
Particles >4µm		ASTM D7647	>80000	2069	---	18152
Particles >6µm		ASTM D7647	>20000	206	---	688
Particles >14µm		ASTM D7647	>640	15	---	15
Particles >21µm		ASTM D7647	>160	4	---	5
Particles >38µm		ASTM D7647	>40	0	---	0
Particles >71µm		ASTM D7647	>10	0	---	0
Oil Cleanliness		ISO 4406 (c)	>23/21/16	18/15/11	---	21/17/11
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	● HAZY	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	▲ 0.2%	NEG
Sodium	ppm	ASTM D5185m	>21	0	1	0
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	1	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		<1	<1	<1
Calcium	ppm	ASTM D5185m		0	4	4
Phosphorus	ppm	ASTM D5185m	827	517	465	527
Zinc	ppm	ASTM D5185m	0	24	34	30
Sulfur	ppm	ASTM D5185m	13	86	63	20
Acid Number (AN)	mg KOH/g	ASTM D8045	0.06	0.09	0.18	0.11
Visc @ 40°C	cSt	ASTM D445	47	47.15	47.49	46.8

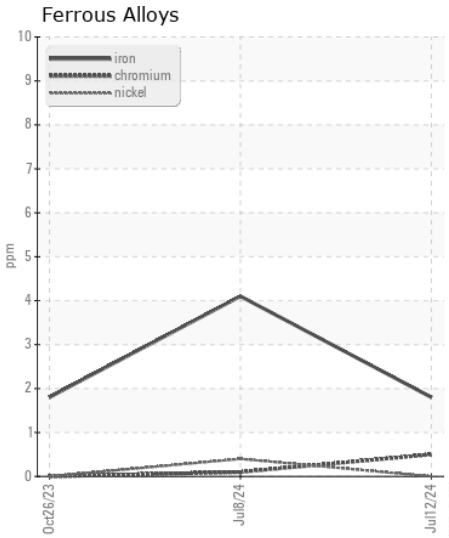


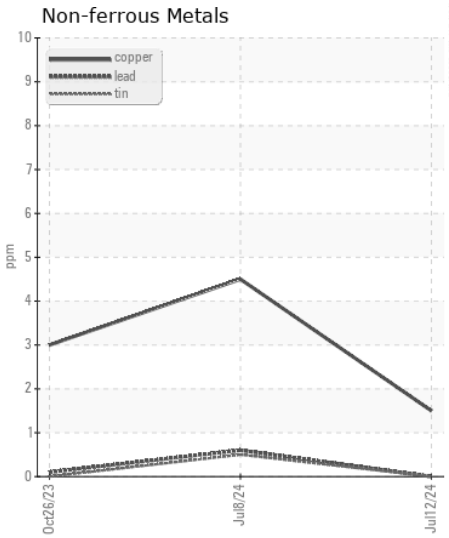


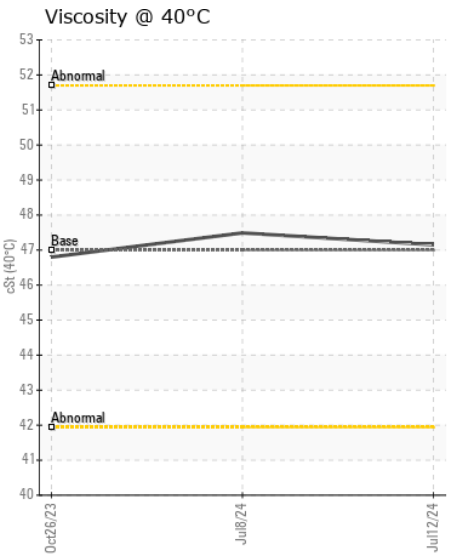


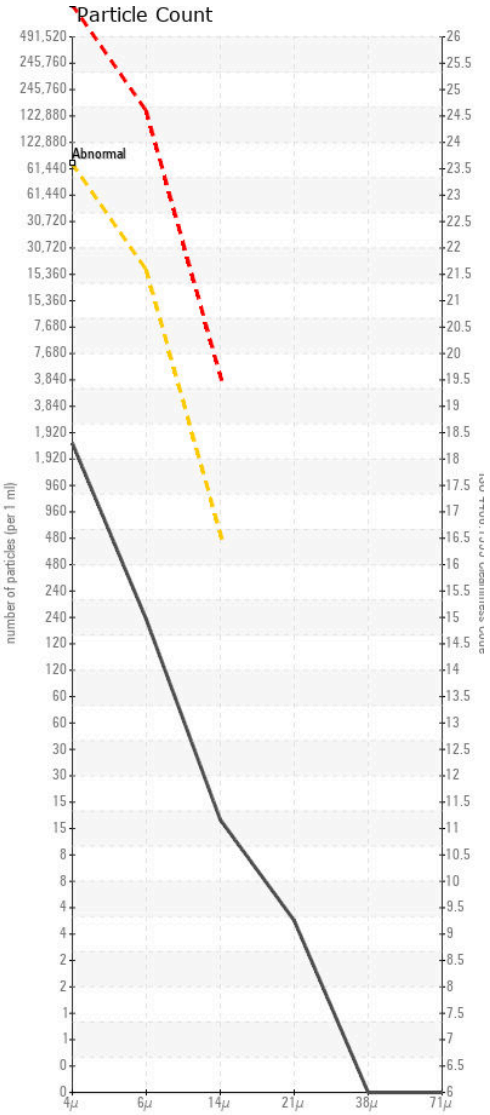


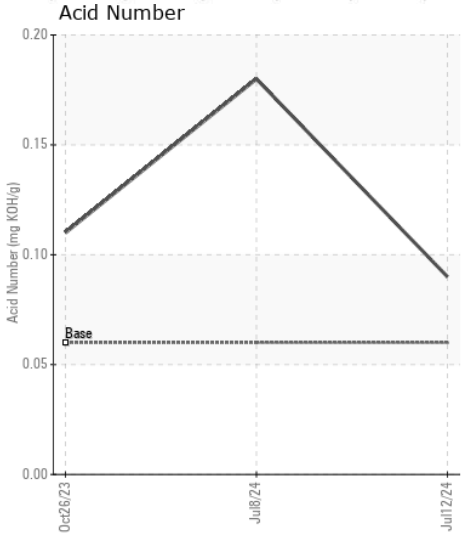












Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0052049 **Received** : 16 Jul 2024
Lab Number : 06238349 **Tested** : 16 Jul 2024
Unique Number : 11127183 **Diagnosed** : 16 Jul 2024 - Doug Bogart
Test Package : CONST (Additional Tests: KF, 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)

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