LESLIE EQUIPMENT CO.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 4 - Fairmont
Machine Id
JOHN DEERE 850K 1T0850KXCDE246953
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU (28 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates.

WEAR

All component wear rates are normal.

CONTAMINATION

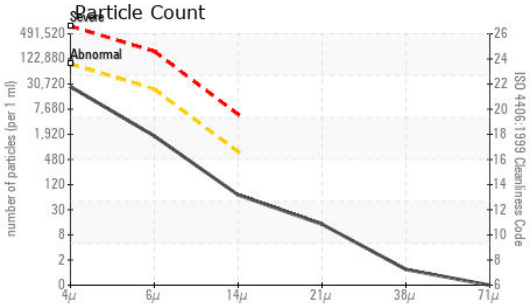
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

FLUID CONDITION

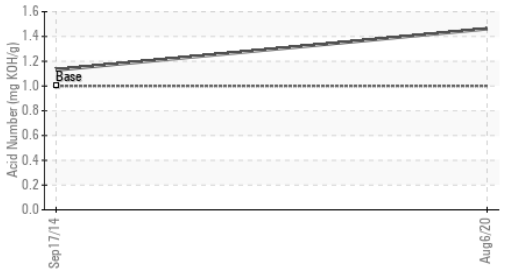
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0014003	LECP141593	---
Sample Date		Client Info		06 Aug 2020	17 Sep 2014	---
Machine Age	hrs	Client Info		5933	532	---
Oil Age	hrs	Client Info		5933	532	---
Filter Age	hrs	Client Info		2000	532	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				NORMAL	NORMAL	---
PQ		ASTM D8184	>50	23	14.0	---
Iron	ppm	ASTM D5185m	>23	20	4	---
Chromium	ppm	ASTM D5185m	>9	3	<1	---
Nickel	ppm	ASTM D5185m	>5	0	<1	---
Titanium	ppm	ASTM D5185m		15	<1	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>9	11	2	---
Lead	ppm	ASTM D5185m	>28	<1	<1	---
Copper	ppm	ASTM D5185m	>51	9	2	---
Tin	ppm	ASTM D5185m	>5	0	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	VLITE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>31	12	8	---
Potassium	ppm	ASTM D5185m	>20	2	0	---
Water		WC Method	>0.075	NEG	NEG	---
Particles >4µm		ASTM D7647	>80000	23142	462	---
Particles >6µm		ASTM D7647	>20000	1533	251	---
Particles >14µm		ASTM D7647	>640	60	42	---
Particles >21µm		ASTM D7647	>160	12	14	---
Particles >38µm		ASTM D7647	>40	1	2	---
Particles >71µm		ASTM D7647	>10	0	0	---
Oil Cleanliness		ISO 4406 (c)	>23/21/16	22/18/13	16/15/13	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	---
Sodium	ppm	ASTM D5185m	>21	2	3	---
Boron	ppm	ASTM D5185m		71	18	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		16	7	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		131	295	---
Calcium	ppm	ASTM D5185m	87	2000	2467	---
Phosphorus	ppm	ASTM D5185m	727	799	1136	---
Zinc	ppm	ASTM D5185m	900	931	1411	---
Sulfur	ppm	ASTM D5185m	1500	2488	3534	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	1.462	1.13	---
Visc @ 40°C	cSt	ASTM D445	65	55.2	61.81	---

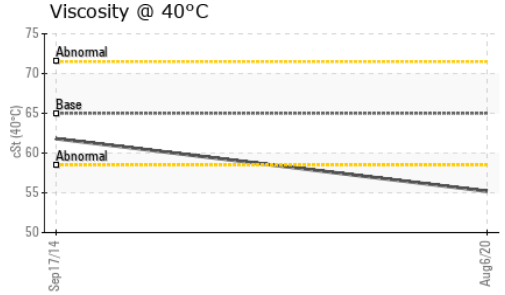
Particle Count



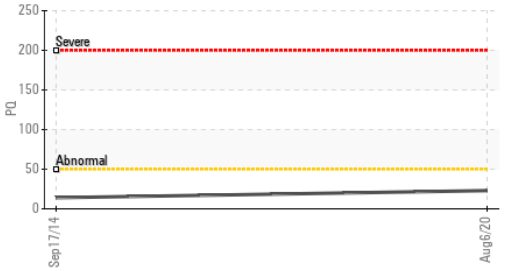
Acid Number



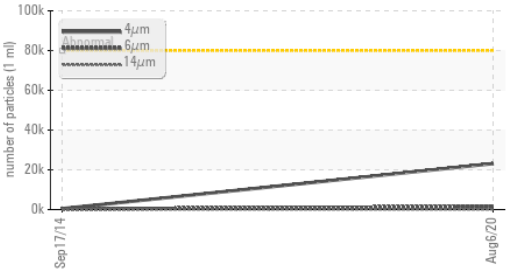
Viscosity @ 40°C



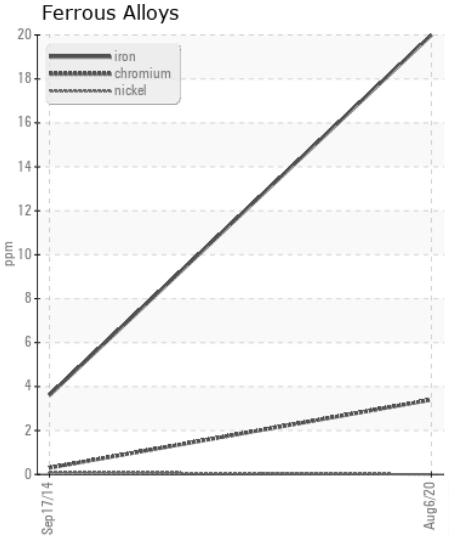
PQ



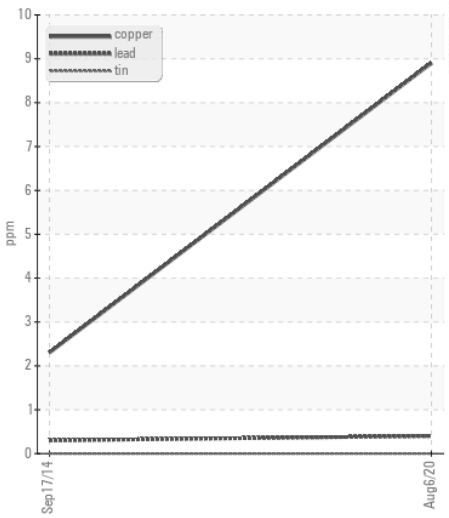
Particle Trend



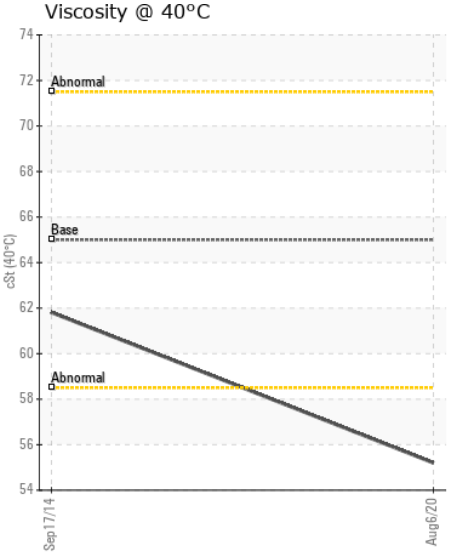
Ferrous Alloys



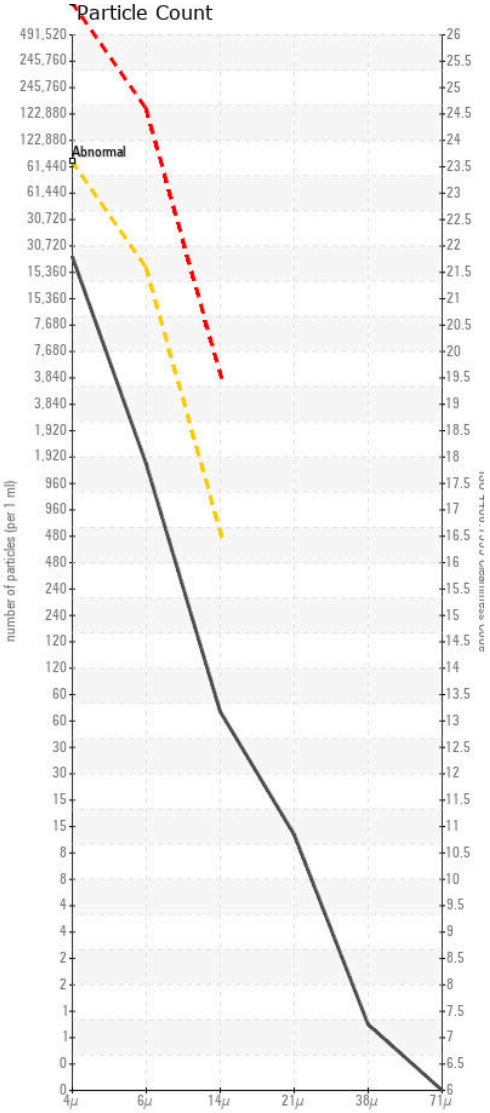
Non-ferrous Metals



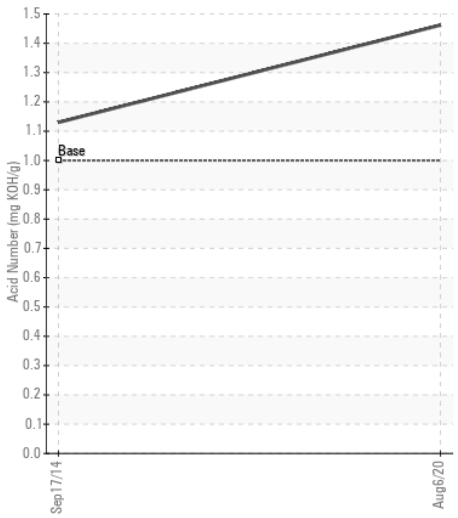
Viscosity @ 40°C



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0014003 **Recieved** : 10 Aug 2020
Lab Number : 05039702 **Diagnosed** : 08 Jan 2024
Unique Number : 9129872 **Diagnostician** : Doug Bogart
Test Package : MOBCE (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)

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