MOB

LESLIE EQUIPMENT CO.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
{unassigned}
Machine Id
JOHN DEERE 250G 1FF250GXCKF611322
Component
Hydraulic System
Fluid
HITACHI HYDRAULIC SUPER EX 46HN (63 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

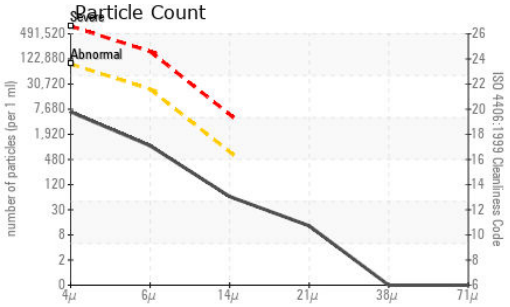
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

FLUID CONDITION

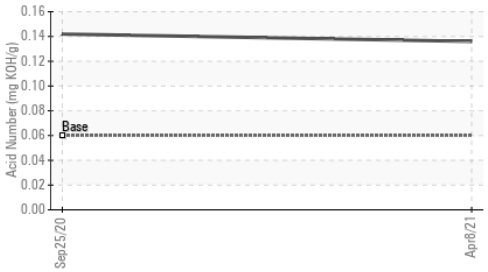
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0020075	LEC0016650	---
Sample Date		Client Info		08 Apr 2021	25 Sep 2020	---
Machine Age	hrs	Client Info		820	633	---
Oil Age	hrs	Client Info		820	0	---
Filter Age	hrs	Client Info		820	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				NORMAL	NORMAL	---
PQ		ASTM D8184	>50	16	22	---
Iron	ppm	ASTM D5185m	>32	2	2	---
Chromium	ppm	ASTM D5185m	>9	0	0	---
Nickel	ppm	ASTM D5185m	>5	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>9	<1	0	---
Lead	ppm	ASTM D5185m	>28	0	<1	---
Copper	ppm	ASTM D5185m	>50	1	1	---
Tin	ppm	ASTM D5185m	>5	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>11	<1	0	---
Potassium	ppm	ASTM D5185m	>20	0	0	---
Water		WC Method	>0.075	NEG	NEG	---
Particles >4µm		ASTM D7647	>80000	5757	1332	---
Particles >6µm		ASTM D7647	>20000	898	147	---
Particles >14µm		ASTM D7647	>640	55	14	---
Particles >21µm		ASTM D7647	>160	11	5	---
Particles >38µm		ASTM D7647	>40	0	0	---
Particles >71µm		ASTM D7647	>10	0	0	---
Oil Cleanliness		ISO 4406 (c)	>23/21/16	20/17/13	18/14/11	---
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	0	---
Boron	ppm	ASTM D5185m		2	<1	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		<1	0	---
Manganese	ppm	ASTM D5185m		<1	0	---
Magnesium	ppm	ASTM D5185m		<1	0	---
Calcium	ppm	ASTM D5185m		11	0	---
Phosphorus	ppm	ASTM D5185m	827	468	494	---
Zinc	ppm	ASTM D5185m	0	28	24	---
Sulfur	ppm	ASTM D5185m	13	81	101	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.06	0.136	0.142	---
Visc @ 40°C	cSt	ASTM D445	47	46.3	45.9	---

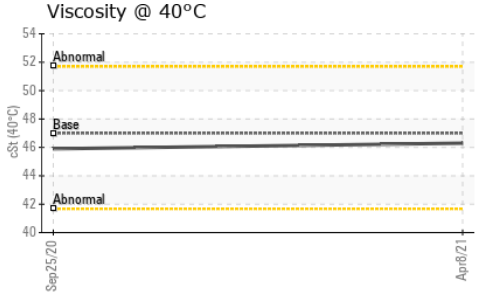
Particle Count



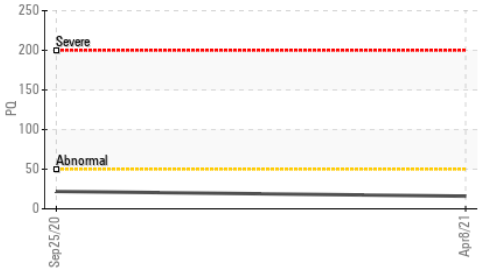
Acid Number



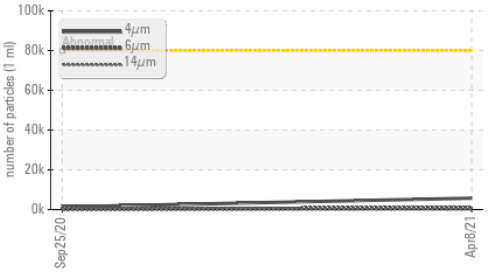
Viscosity @ 40°C



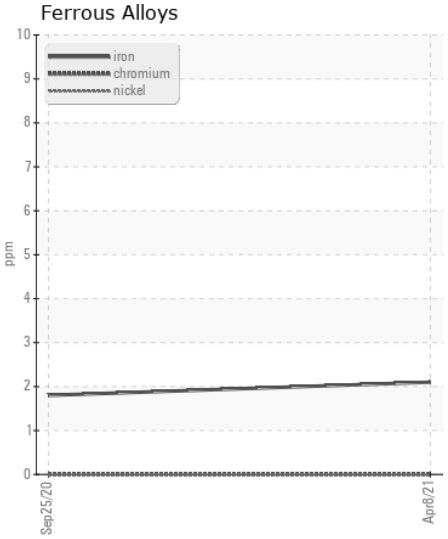
PQ



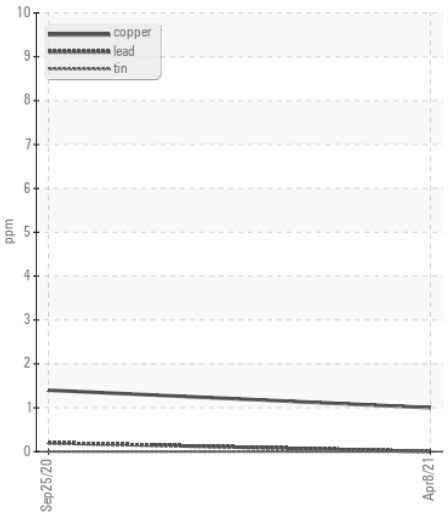
Particle Trend



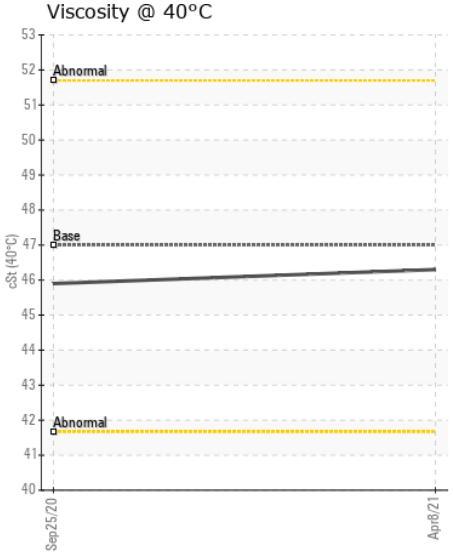
Ferrous Alloys



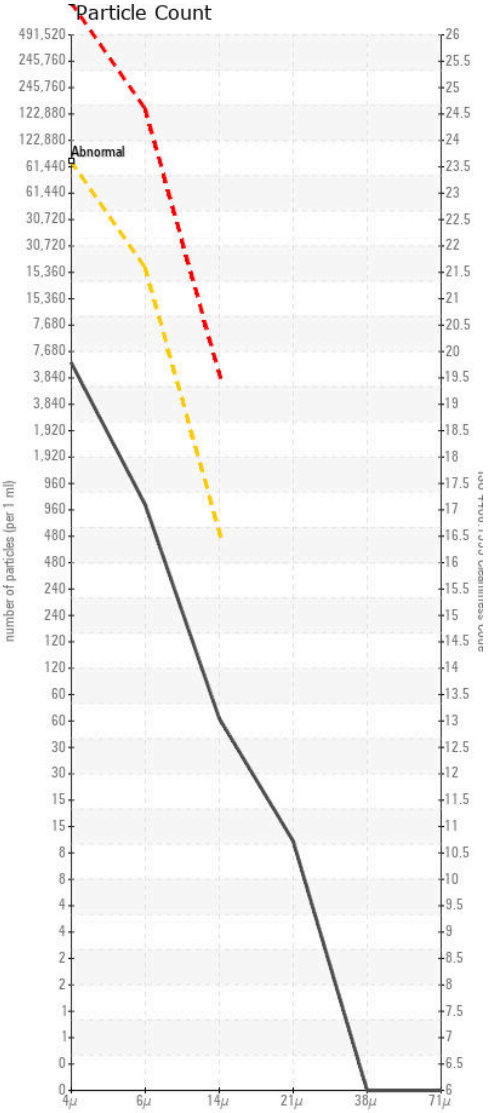
Non-ferrous Metals



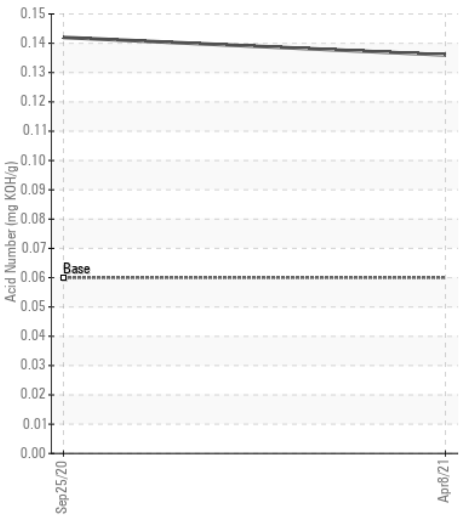
Viscosity @ 40°C



Particle Count



Acid Number



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0020075
Lab Number : 05226558
Unique Number : 9460465
Test Package : MOBCE (Additional Tests: PQ)

Received : 12 Apr 2021
Tested : 13 Apr 2021
Diagnosed : 13 Apr 2021 - Don Baldridge

Certificate L2367

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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)