MOB II

LESLIE EQUIPMENT CO.

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 2 - Beaver [12278]
Machine Id
JOHN DEERE 350GLC 1FF350GXTCE808710
Component
Diesel Engine
Fluid
BREAK IN OIL (7 GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

The iron level is abnormal. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in.

CONTAMINATION

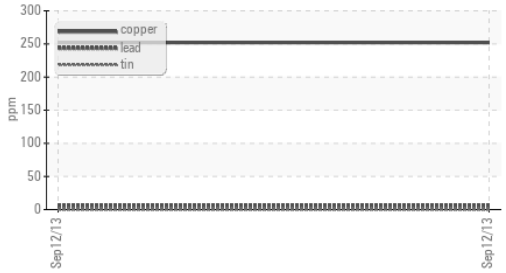
There is no indication of any contamination in the component.

FLUID CONDITION

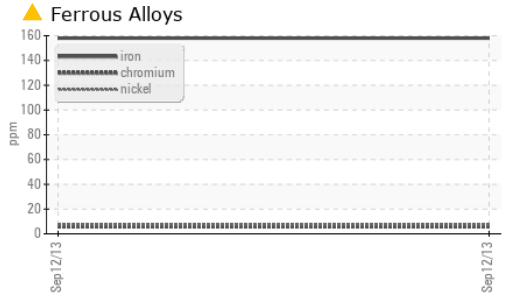
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LECP133925	---	---
Sample Date		Client Info		12 Sep 2013	---	---
Machine Age	hrs	Client Info		387	---	---
Oil Age	hrs	Client Info		387	---	---
Filter Age	hrs	Client Info		387	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185m		▲ 158	---	---
Chromium	ppm	ASTM D5185m		6	---	---
Nickel	ppm	ASTM D5185m		7	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		12	---	---
Lead	ppm	ASTM D5185m		6	---	---
Copper	ppm	ASTM D5185m		▲ 252	---	---
Tin	ppm	ASTM D5185m		0	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m		8	---	---
Potassium	ppm	ASTM D5185m		16	---	---
Fuel	%	ASTM D3524		<1.0	---	---
Water		WC Method		NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	*ASTM D7844		0.3	---	---
Nitration	Abs/cm	*ASTM D7624		6.	---	---
Sulfation	Abs/.1mm	*ASTM D7415		18.	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual		NEG	---	---
Sodium	ppm	ASTM D5185m		11	---	---
Boron	ppm	ASTM D5185m		168	---	---
Barium	ppm	ASTM D5185m		2	---	---
Molybdenum	ppm	ASTM D5185m		249	---	---
Manganese	ppm	ASTM D5185m		4	---	---
Magnesium	ppm	ASTM D5185m		800	---	---
Calcium	ppm	ASTM D5185m		1440	---	---
Phosphorus	ppm	ASTM D5185m		982	---	---
Zinc	ppm	ASTM D5185m		1180	---	---
Sulfur	ppm	ASTM D5185m		1460	---	---
Oxidation	Abs/.1mm	*ASTM D7414		12.	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		11.00	---	---
Visc @ 100°C	cSt	ASTM D445		11.32	---	---
Fluid Type		*In-house		*SAE_ENG_DE	---	---

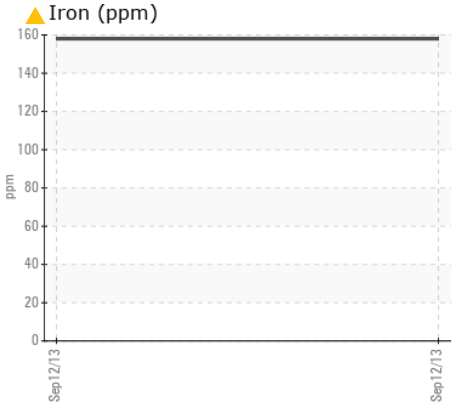
Non-ferrous Metals



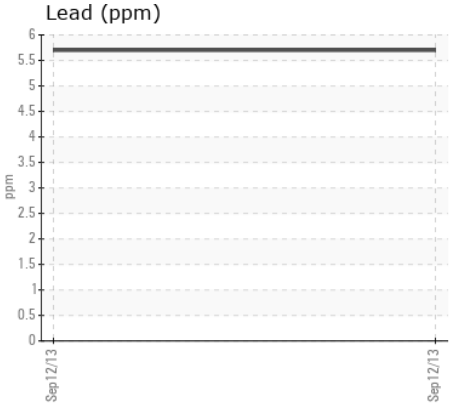
Ferrous Alloys



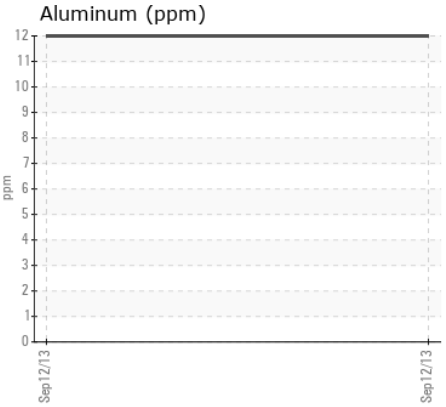
Iron (ppm)



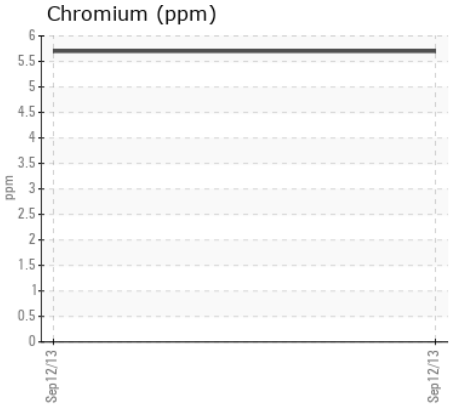
Lead (ppm)



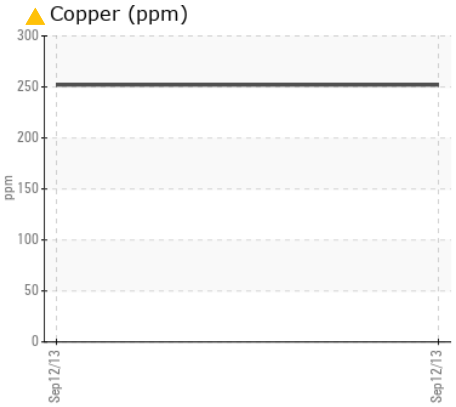
Aluminum (ppm)



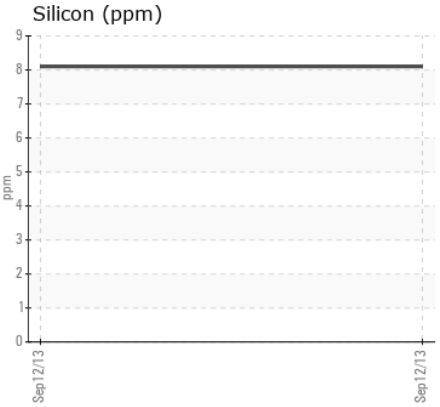
Chromium (ppm)



Copper (ppm)

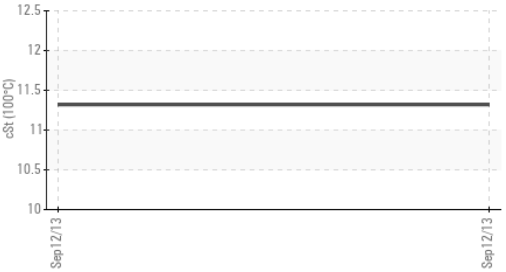


Silicon (ppm)

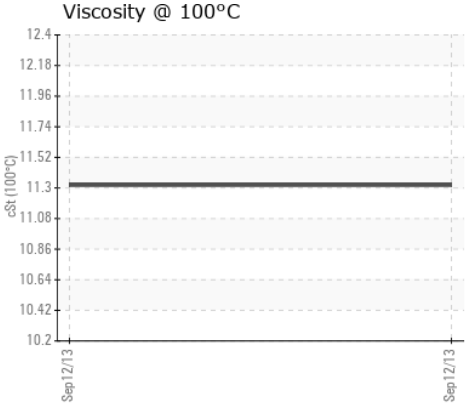


Base Number

Viscosity @ 100°C



Viscosity @ 100°C



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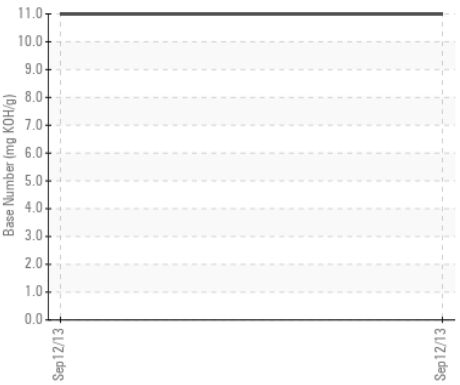

Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: LECP133925	**Recieved**	: 17 Sep 2013
Lab Number	: 03359802	**Diagnosed**	: 20 Sep 2013
Unique Number	: 6382554	**Diagnostician**	: Jonathan Hester
Test Package	: MOB 2 (Additional Tests: FluidDetermination, FuelDilution, PercentFuel, PQI)		

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