



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Store 1 - Cowen
 Machine Id
JOHN DEERE 540GIII 1DW540GXHAC633448
 Component
Hydraulic System
 Fluid
TORQ GARD (8 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LECP112086	---	---
Sample Date		Client Info		20 Jun 2011	---	---
Machine Age	hrs	Client Info		412	---	---
Oil Age	hrs	Client Info		412	---	---
Filter Age	hrs	Client Info		412	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		Not Changd	---	---
Sample Status				ABNORMAL	---	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		12.0	---	---
Iron	ppm	ASTM D5185m		4	---	---
Chromium	ppm	ASTM D5185m		<1	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		2	---	---
Lead	ppm	ASTM D5185m		0	---	---
Copper	ppm	ASTM D5185m		2	---	---
Tin	ppm	ASTM D5185m		0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	LIGHT	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

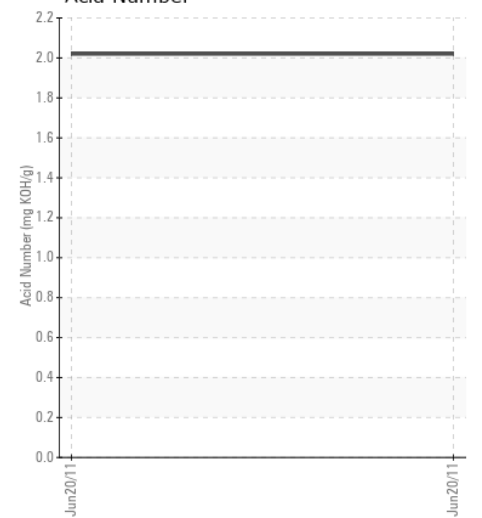
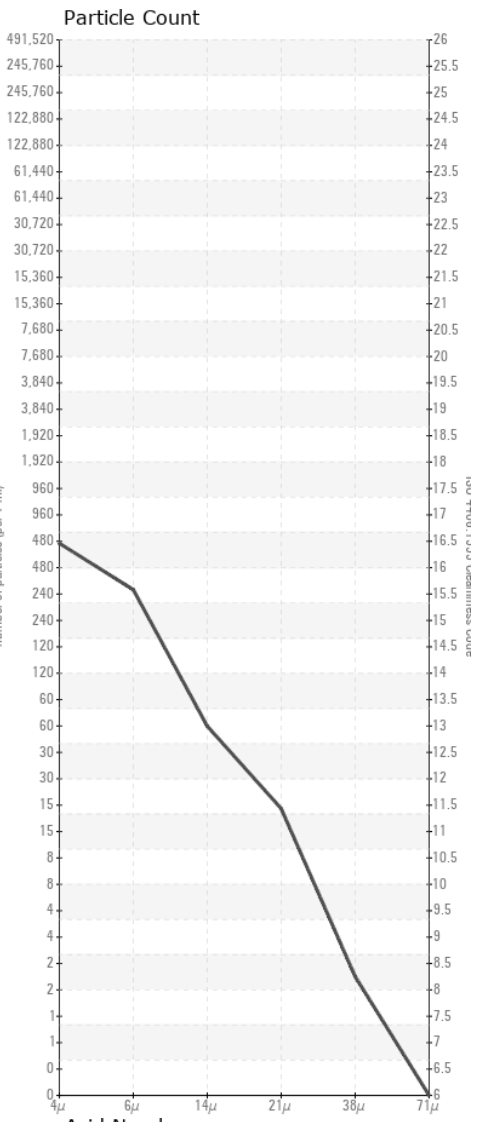
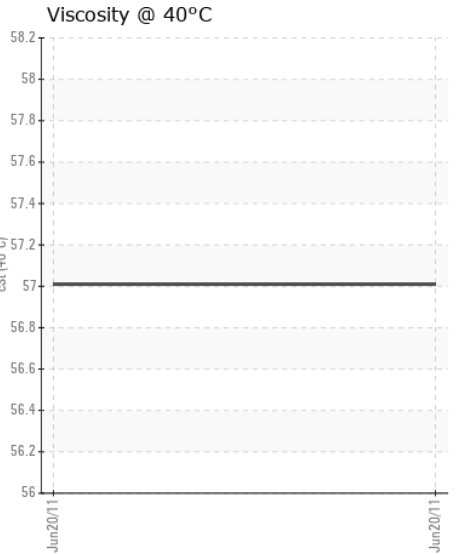
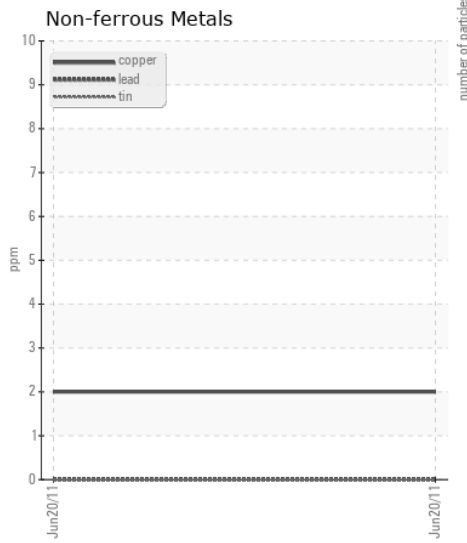
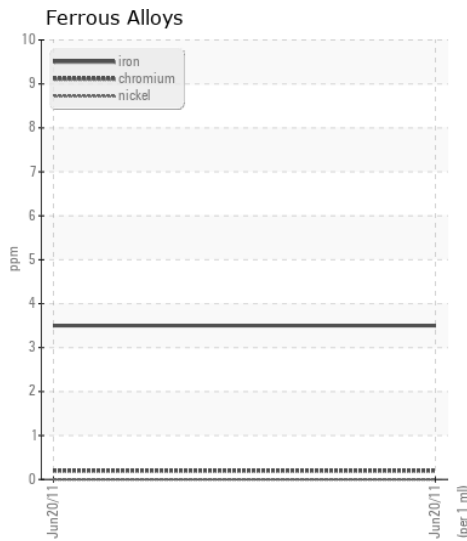
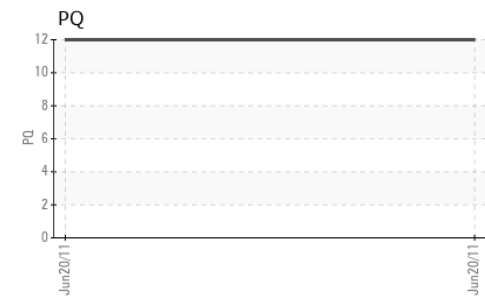
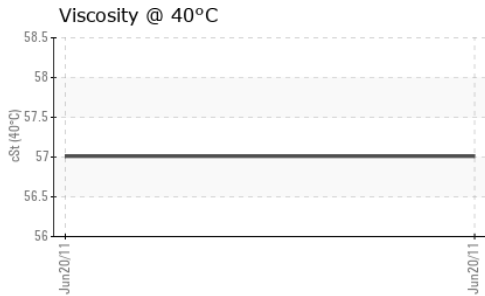
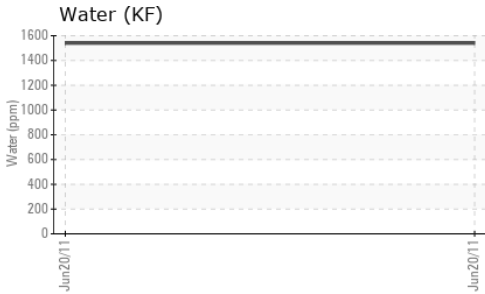
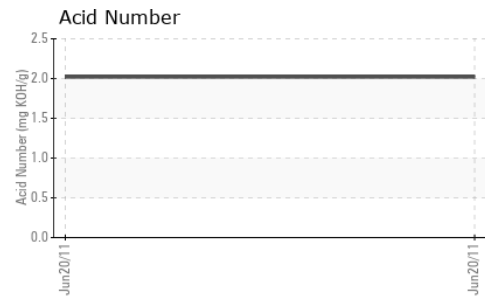
There is a light concentration of water present in the oil. The amount and size of particulates present in the system is acceptable.

Silicon	ppm	ASTM D5185m		6	---	---
Potassium	ppm	ASTM D5185m		0	---	---
Water	%	ASTM D6304		▲ 0.154	---	---
ppm Water	ppm	ASTM D6304		▲ 1540	---	---
Particles >4µm		ASTM D7647		580	---	---
Particles >6µm		ASTM D7647		316	---	---
Particles >14µm		ASTM D7647		53	---	---
Particles >21µm		ASTM D7647		18	---	---
Particles >38µm		ASTM D7647		2	---	---
Particles >71µm		ASTM D7647		0	---	---
Oil Cleanliness		ISO 4406 (c)		16/15/13	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	LIGHT	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual		▲ 0.1%	---	---

FLUID CONDITION

The condition of oil is suitable for further service.

Sodium	ppm	ASTM D5185m		4	---	---
Boron	ppm	ASTM D5185m		3	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		2	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		254	---	---
Calcium	ppm	ASTM D5185m		2237	---	---
Phosphorus	ppm	ASTM D5185m		1075	---	---
Zinc	ppm	ASTM D5185m		1208	---	---
Sulfur	ppm	ASTM D5185m		3216	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		2.02	---	---
Visc @ 40°C	cSt	ASTM D445		57.01	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LECPC112086 **Received** : 28 Jun 2011
Lab Number : 02880590 **Tested** : 29 Jun 2011
Unique Number : 5602104 **Diagnosed** : 29 Jun 2011 - Jonathan Hester
Test Package : MOB 2 (Additional Tests: Bottom, KF, PQ)

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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)