



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
FORD FORD F-150
Component
Gasoline Engine
Fluid
CASTROL GTX 10W30 (5 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KLM2303978	---	---
Sample Date		Client Info		16 Jun 2012	---	---
Machine Age	mls	Client Info		235416	---	---
Oil Age	mls	Client Info		3148	---	---
Filter Age	mls	Client Info		3148	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m		7	---	---
Chromium	ppm	ASTM D5185m		<1	---	---
Nickel	ppm	ASTM D5185m		1	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		5	---	---
Lead	ppm	ASTM D5185m		1	---	---
Copper	ppm	ASTM D5185m		3	---	---
Tin	ppm	ASTM D5185m		<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

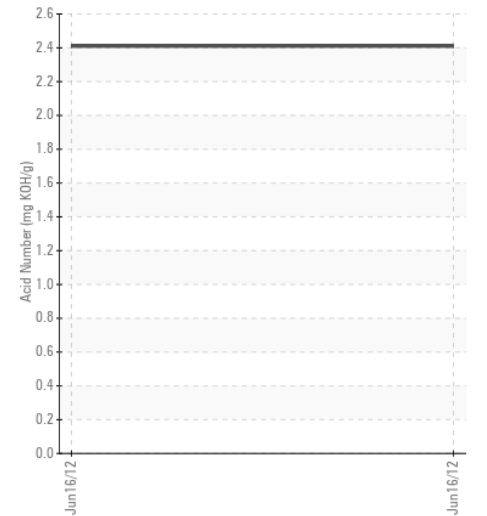
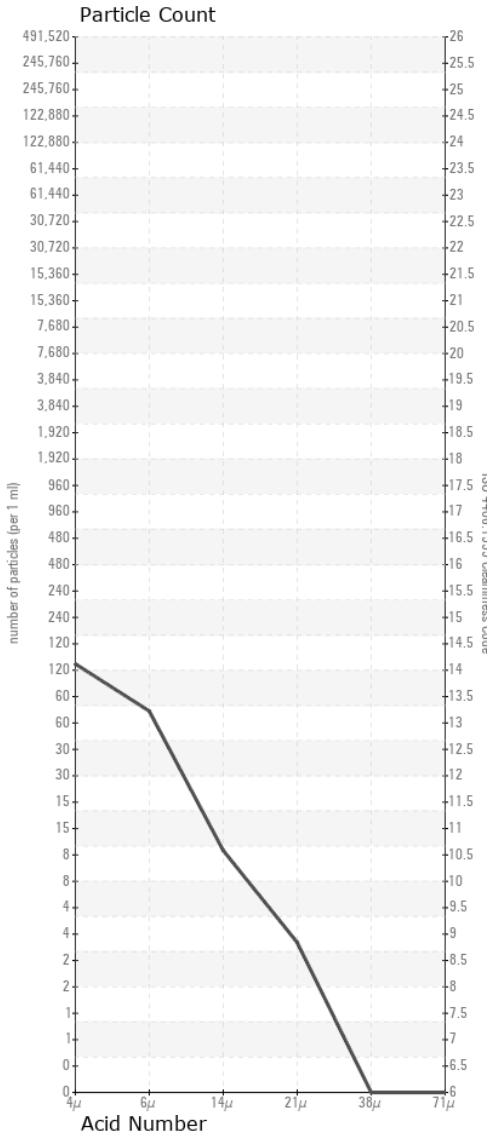
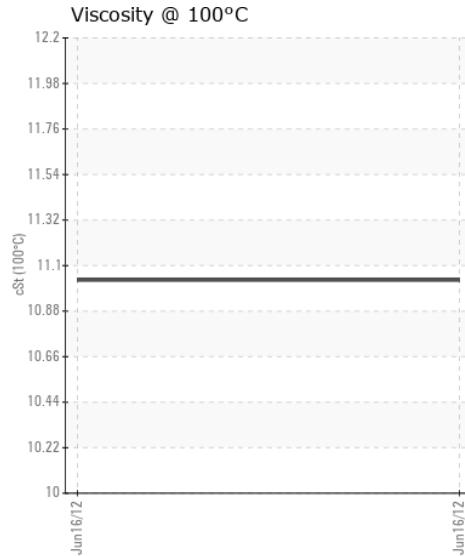
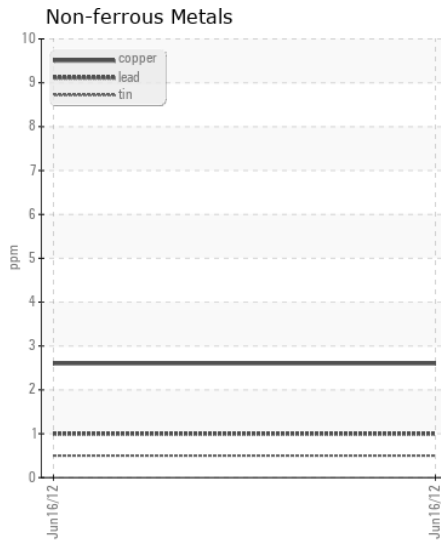
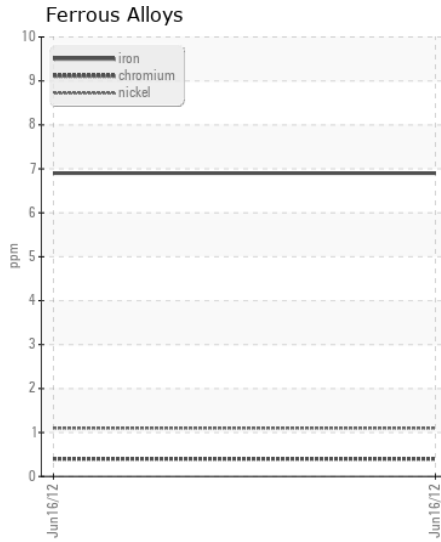
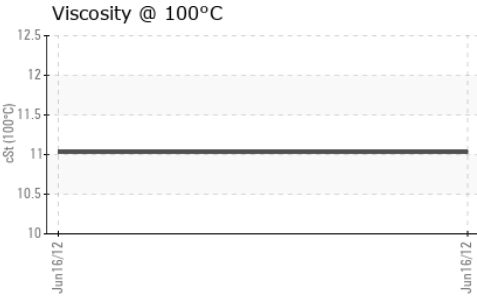
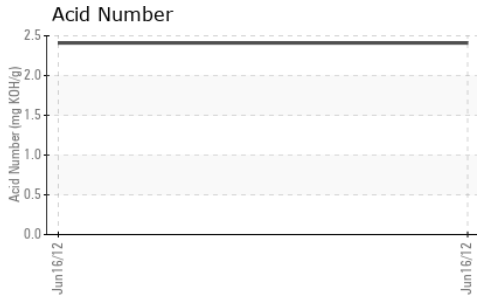
There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.

Silicon	ppm	ASTM D5185m		24	---	---
Potassium	ppm	ASTM D5185m		<1	---	---
Fuel		WC Method		<1.0	---	---
Water		WC Method		NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	*ASTM D7844		0	---	---
Nitration	Abs/cm	*ASTM D7624		9.	---	---
Sulfation	Abs/.1mm	*ASTM D7415		23.	---	---
Particles >4µm		ASTM D7647		115	---	---
Particles >6µm		ASTM D7647		62	---	---
Particles >14µm		ASTM D7647		10	---	---
Particles >21µm		ASTM D7647		3	---	---
Particles >38µm		ASTM D7647		0	---	---
Particles >71µm		ASTM D7647		0	---	---
Oil Cleanliness		ISO 4406 (c)		13/10	---	---
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	---	---

FLUID CONDITION

The condition of oil is suitable for further service.

Sodium	ppm	ASTM D5185m		7	---	---
Boron	ppm	ASTM D5185m		28	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		67	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		10	---	---
Calcium	ppm	ASTM D5185m		2104	---	---
Phosphorus	ppm	ASTM D5185m		663	---	---
Zinc	ppm	ASTM D5185m		706	---	---
Sulfur	ppm	ASTM D5185m		1971	---	---
Oxidation	Abs/.1mm	*ASTM D7414		16.	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		2.41	---	---
Visc @ 100°C	cSt	ASTM D445		11.03	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KLM2303978 **Received** : 25 Jun 2012
Lab Number : 03094010 **Tested** : 26 Jun 2012
Unique Number : 5951145 **Diagnosed** : 26 Jun 2012 - Jonathan Hester
Test Package : MOB 2 (Additional Tests: PrtCount)

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 330 LIVE OAK
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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)