



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Machine Id
FORD V-128
 Component
Diesel Engine
 Fluid
UNITED OIL DURALENE (4 GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DCM2000040	---	---
Sample Date		Client Info		18 Mar 2013	---	---
Machine Age	mls	Client Info		156987	---	---
Oil Age	mls	Client Info		5301	---	---
Filter Age	mls	Client Info		5301	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				MARGINAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m		22	---	---
Chromium	ppm	ASTM D5185m		1	---	---
Nickel	ppm	ASTM D5185m		1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		3	---	---
Lead	ppm	ASTM D5185m		2	---	---
Copper	ppm	ASTM D5185m		1	---	---
Tin	ppm	ASTM D5185m		0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

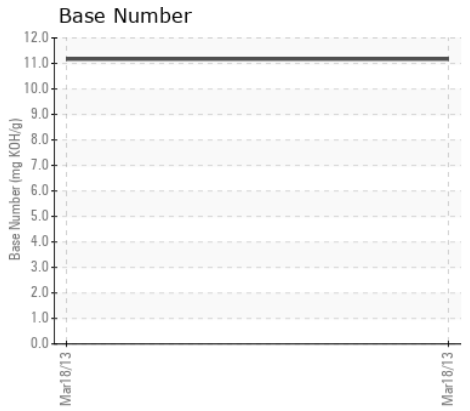
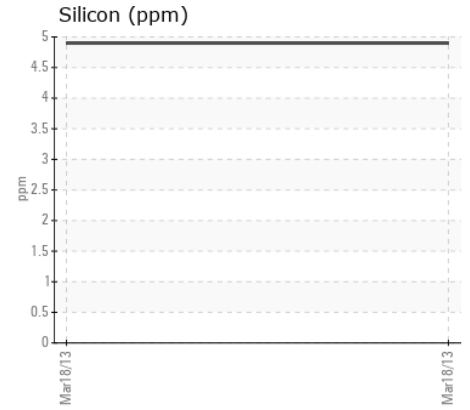
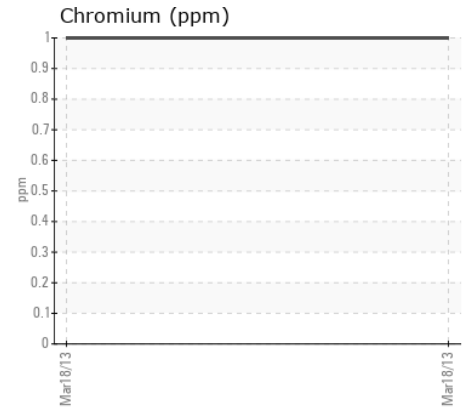
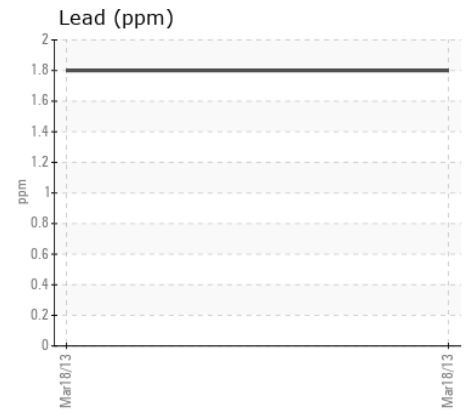
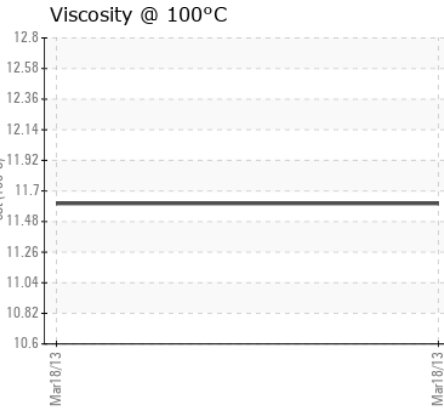
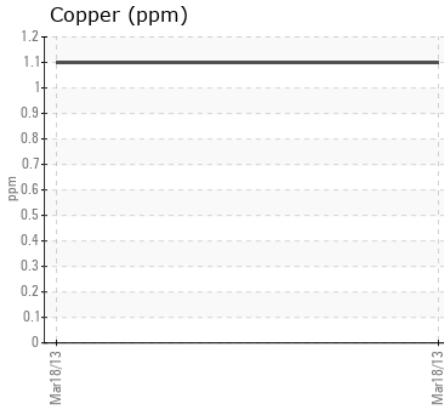
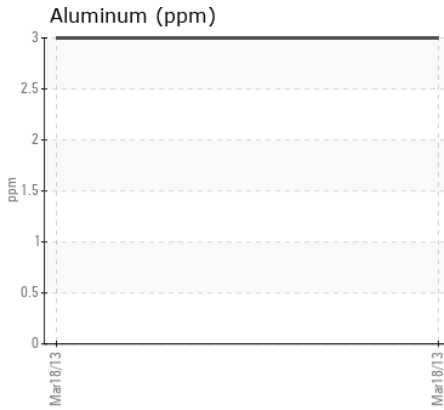
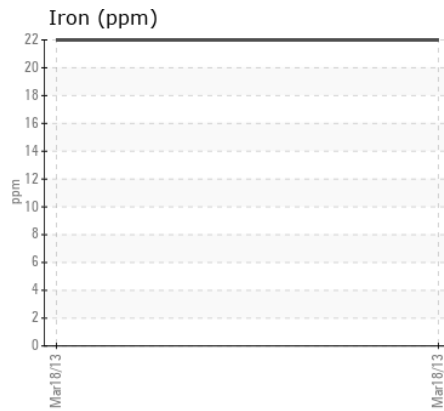
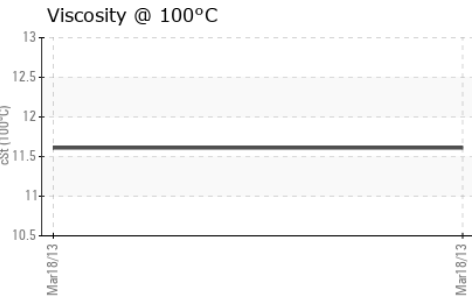
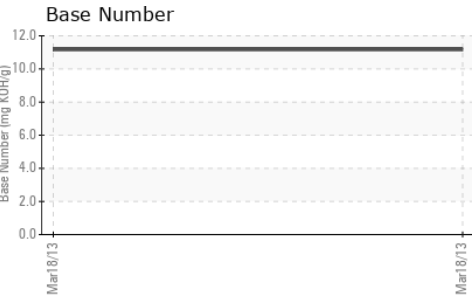
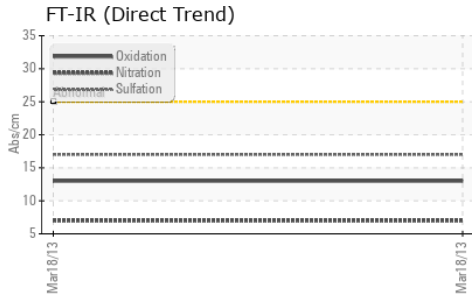
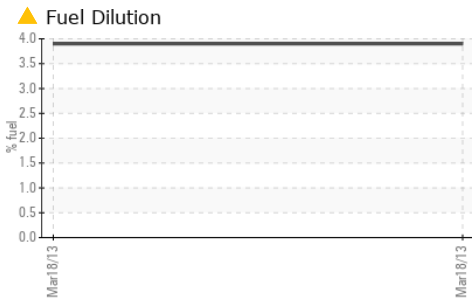
Light fuel dilution occurring.

Silicon	ppm	ASTM D5185m		5	---	---
Potassium	ppm	ASTM D5185m		0	---	---
Fuel	%	ASTM D3524		▲ 3.9	---	---
Water		WC Method		NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	*ASTM D7844		0	---	---
Nitration	Abs/cm	*ASTM D7624		7.	---	---
Sulfation	Abs/.1mm	*ASTM D7415		17.	---	---
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

Confirm oil type.

Sodium	ppm	ASTM D5185m		28	---	---
Boron	ppm	ASTM D5185m		5	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		3	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		13	---	---
Calcium	ppm	ASTM D5185m		3182	---	---
Phosphorus	ppm	ASTM D5185m		964	---	---
Zinc	ppm	ASTM D5185m		1162	---	---
Sulfur	ppm	ASTM D5185m		3692	---	---
Oxidation	Abs/.1mm	*ASTM D7414		13.	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		11.17	---	---
Visc @ 100°C	cSt	ASTM D445		11.61	---	---
Fluid Type		*In-house		SAE_ENG_DE	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DCM2000040 **Received** : 05 Apr 2013
Lab Number : 03259909 **Tested** : 10 Apr 2013
Unique Number : 6222545 **Diagnosed** : 10 Apr 2013 - Doug Bogart
Test Package : MOB 2 (Additional Tests: FluidDetermination, PercentFuel)

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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)