



FUEL REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
FUEL CONDITION	NORMAL

Area
Store 1 - Cowen [219753]
 Machine Id
HITACHI ZX850LC3 FF01JDQ020113
 Component
Diesel Fuel
 Fluid
OFF DIESEL FUEL (--- QTS)

RECOMMENDATION

This is a baseline read-out on the submitted sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC007036	---	---
Sample Date		Client Info		04 Mar 2011	---	---
Machine Age	hrs	Client Info		1474	---	---
Sample Status				NORMAL	---	---

CORROSION

Aluminum	ppm	ASTM D5185m	<0.1	0	---	---
Nickel	ppm	ASTM D5185m	<0.1	<1	---	---
Lead	ppm	ASTM D5185m	<0.1	0	---	---
Vanadium	ppm	ASTM D5185m	<0.1	0	---	---
Iron	ppm	ASTM D5185m	<0.1	0	---	---

CONTAMINANTS

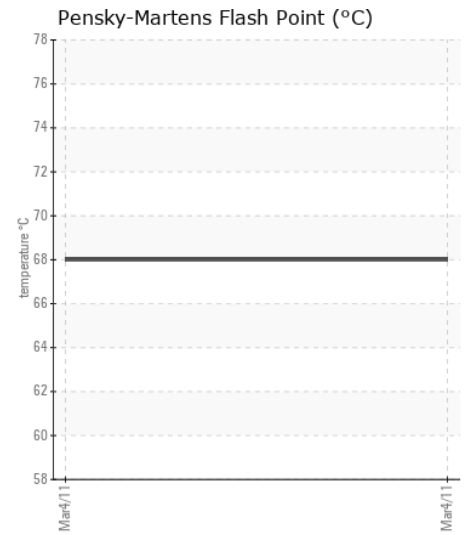
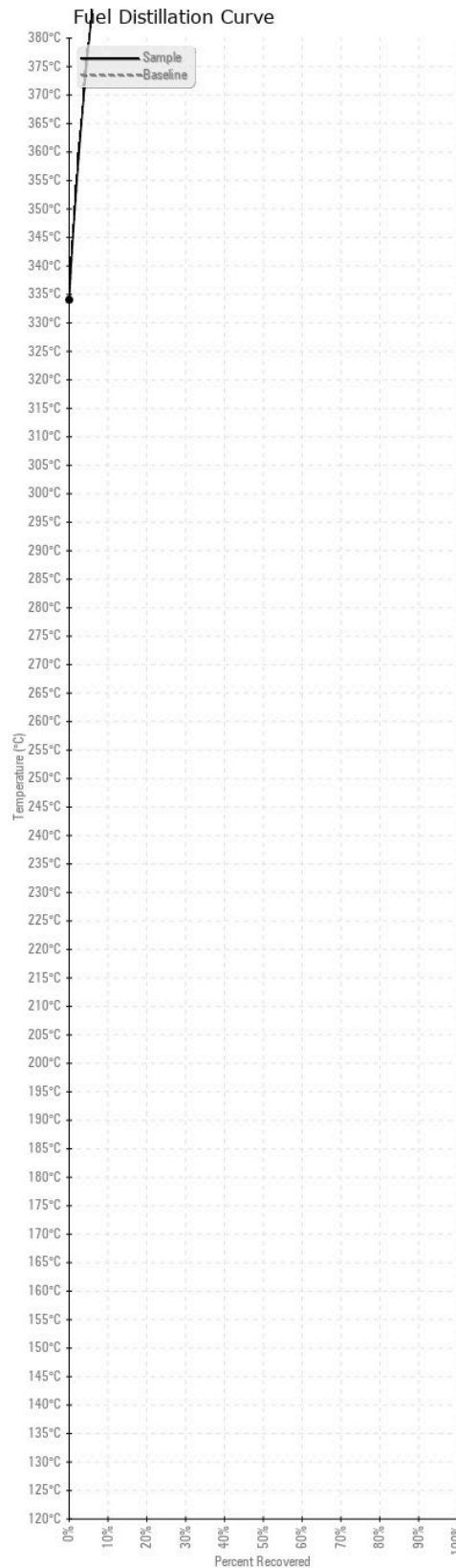
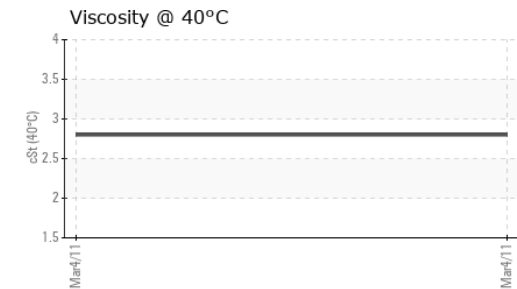
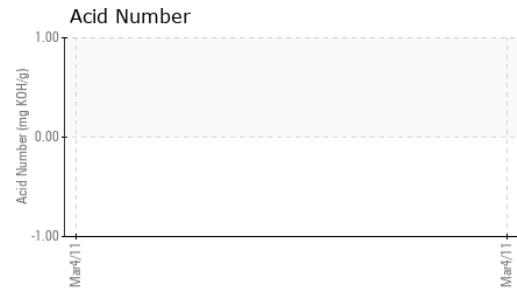
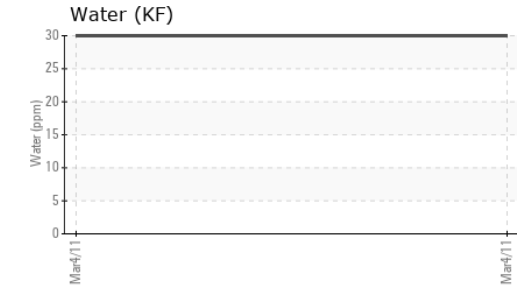
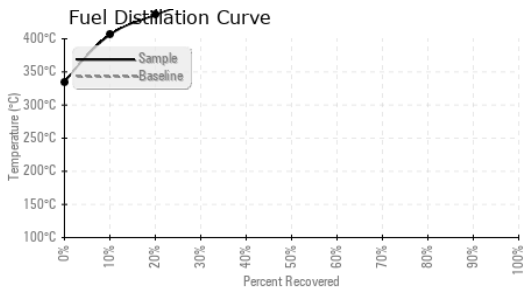
There is no indication of any contamination in the component. Tests indicate that there is no gasoline present in the diesel fuel. There is no Bacteria and/or Yeast present in the sample.

Silicon	ppm	ASTM D5185m	<1.0	0	---	---
Sodium	ppm	ASTM D5185m	<0.1	0	---	---
Potassium	ppm	ASTM D5185m	<0.1	<1	---	---
Water	%	ASTM D6304	<0.05	0.003	---	---
ppm Water	ppm	ASTM D6304	<500	30	---	---
Bacteria	CFU/ml	WC-Method	>=100000	0	---	---
Yeast	CFU/ml	WC-Method	>=100000	0	---	---
Mold	Colonies	WC-Method	MODER	NONE	---	---
Calcium	ppm	ASTM D5185m	<0.1	0	---	---
Magnesium	ppm	ASTM D5185m	<0.1	0	---	---
Phosphorus	ppm	ASTM D5185m	<0.1	<1	---	---
Zinc	ppm	ASTM D5185m	<0.1	<1	---	---

FUEL CONDITION

The condition of the fuel is acceptable for service.

Specific Gravity		*ASTM D1298		0.848	---	---
Fuel Color	text	*Visual Screen		Red	---	---
Visc @ 40°C	cSt	ASTM D445		2.8	---	---
Pensky-Martens Flash Point	°C	*PMCC Calculated		68	---	---
Sulfur	ppm	ASTM D5185m		10	---	---
Initial Boiling Point	°C	ASTM D86		334	---	---
10% Distill Point	°C	ASTM D86		406	---	---
20% Distill Point	°C	ASTM D86		436	---	---
30% Distill Point	°C	ASTM D86		460	---	---
40% Distill Point	°C	ASTM D86		483	---	---
50% Distill Point	°C	ASTM D86		506	---	---
60% Distill Point	°C	ASTM D86		529	---	---
70% Distill Point	°C	ASTM D86		558	---	---
80% Distill Point	°C	ASTM D86		584	---	---
90% Distill Point	°C	ASTM D86		618	---	---
Final Boiling Point	°C	ASTM D86		653	---	---
Distillation Residue	%	ASTM D86		1.4	---	---
Distillation Loss	%	ASTM D86		0.5	---	---
API Gravity		ASTM D7777		35.4	---	---
Cetane Index		ASTM D4737	<40.0	47.1	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC007036 **Received** : 09 Mar 2011
Lab Number : **02817187** **Diagnosed** : 14 Mar 2011
Unique Number : 5498641 **Diagnostician** : Doug Bogart
Test Package : MOB 2 (Additional Tests: Bacteria, CC Flash, Fuel, KF)

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)

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