



MOBILE OIL ANALYSIS REPORT

CONTAMINATION	NORMAL
OIL CONDITION	NORMAL
WEAR	NORMAL

0917 - Diesel Engine

Unit Make : TIGERCAT
 Unit Model : 234
 Comp Make : CUMMINS
 Comp Model : 6BT
 Serial No : 0917
 Cust. Ref No. : {n/a}
 Stub No. : KL-M2303383
 Date Rec'd : Apr 17, 2012
 Sample Date : Mar 29, 2012
 Diagnostician : Doug Bogart

RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date			01/19/12	Current	UOM
Time on Unit			1345	1833	hrs
Time on Oil			1000	500	hrs
Time on Fltr			1000	500	hrs
Oil Maint.			not chg	not chg	---
Filter Maint.			not chg	not chg	---

CONTAMINATION

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

Sample Date			01/19/12	Current	Abn
Silicon			4.5	3.8	15
Fuel (%)			<2.0	<2.0	---
Glycol			---	---	0.02
Water (%)			<0.1	<0.1	0.1
Soot (%)			0.3	0.4	---
>4µm(c)			974	807	---
>6µm(c)			530	440	---
>14µm(c)			90	74	---
>21µm(c)			30	25	---
>38µm(c)			4	3	---
>70µm(c)			0	0	---
ISO 4406(c)			16/14	16/13	---

OIL CONDITION

Oil Type: 4 GAL of SHELL ROTELLA T 15W40

The condition of oil is suitable for further service.

Sample Date			01/19/12	Current	Base
Potassium			0.0	0.0	0.0
Boron			23	11	316
Barium			0.0	0.0	0.0
Calcium			1254	1131	2292
Magnesium			1065	938	24
Molybdenum			48	40	1.2
Sodium			0.8	1.0	2.4
Phosphorus			1197	1044	1064
Sulfur			4212	3889	4996
Zinc			1295	1146	1160
Visc@100°C			14.09	14.63	14.3
TBN			10.8	7.23	8.5

WEAR

All component wear rates are normal.

Sample Date			01/19/12	Current	Abn
PQ			---	---	---
Iron			29	39	---
Nickel			0.0	0.0	---
Chromium			1.3	1.6	---
Titanium			0.1	0.1	---
Copper			1.4	4.9	---
Aluminum			2.2	2.4	---
Tin			0.0	0.0	---
Lead			0.0	1.2	---