MOB II WEAR CHECK

MOBILE OIL ANALYSIS REPORT

CONTAMINATION	NORMAL
OIL CONDITION	NORMAL
WEAR	NORMAL

315 - Rear Natural Gas Engine

Unit Make	: 300 BUS				
Unit Model	: {n/a}	Serial No	: {n/a}	Date Rec'd	: Jun 20, 2011
Comp Make	: CUMMINS	Cust. Ref No.	: {n/a}	Sample Date	: May 31, 2011
Comp Model	: L-10	Stub No.	: KL-M2215444	Diagnostician	: Doug Bogart

RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date	07/07/10	07/28/10	12/10/10	Current	UOM
Time on Unit	485924	485924	497643	509828	mls
Time on Oil	7633	2840	3000	6000	mls
Time on Fltr	0	2840	3000	6000	mls
Oil Maint.	not chg	n/a	changed	changed	---
Filter Maint.	not chg	not chg	changed	changed	---

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	07/07/10	07/28/10	12/10/10	Current	Abn
Silicon	4.6	7.4	4.5	4.8	15
Fuel (%)	<2.0	<2.0	<2.0	<2.0	---
Glycol	---	---	---	---	0.02
Water (%)	<0.1	<0.1	<0.1	<0.1	0.1
Soot (%)	0	0	0	0	---
>4µm(c)	---	64	589	397	---
>6µm(c)	---	34	321	216	---
>14µm(c)	---	5	54	36	---
>21µm(c)	---	2	18	12	---
>38µm(c)	---	0	2	1	---
>70µm(c)	---	0	0	0	---
ISO 4406(c)	---	12/10	16/13	15/12	---

OIL CONDITION

Oil Type: 36 QTS of CHEVRON HDAX LOW ASH 15W40

The condition of oil is suitable for further service.

Sample Date	07/07/10	07/28/10	12/10/10	Current	Base
Potassium	0.0	11	0.0	15	
Boron	6.9	7.4	7.5	6.4	
Barium	0.0	1.4	1.0	0.0	
Calcium	1189	1149	1272	1401	
Magnesium	10	4.1	4.5	0.3	
Molybdenum	4.7	5.1	3.9	175	
Sodium	1.0	0.6	0.7	19	
Phosphorus	264	268	297	307	
Sulfur	2271	2386	2369	2174	
Zinc	353	307	328	353	
Visc@100°C	13.41	13.00	12.76	12.62	14.4
TBN	4.99	---	---	---	5.3

WEAR

All component wear rates are normal.

Sample Date	07/07/10	07/28/10	12/10/10	Current	Abn
PQ	---	---	---	---	---
Iron	3.1	4.7	5.7	4.9	---
Nickel	0.0	0.2	0.3	0.3	---
Chromium	0.0	0.2	0.1	1.0	---
Titanium	0.0	0.6	0.9	0.3	---
Copper	2.1	3.6	1.8	2.3	---
Aluminum	1.4	1.1	0.9	4.3	---
Tin	0.0	0.0	0.0	0.0	---
Lead	1.3	2.7	5.8	4.1	---