



MOBILE OIL ANALYSIS REPORT

CONTAMINATION	NORMAL
OIL CONDITION	NORMAL
WEAR	NORMAL

329 - Hydraulic System

Unit Make : FREIGHTLINER
 Unit Model : M-2
 Comp Make : CUMMINS
 Comp Model : {n/a}

Serial No : 1FVACYDT1ADAR2168
 Cust. Ref No. : {n/a}
 Stub No. : KL-M2206061

Date Rec'd : Jul 25, 2011
 Sample Date : Jul 14, 2011
 Diagnostician : Doug Bogart

RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date		01/19/11	Current	UOM
Time on Unit		121	229	hrs
Time on Oil		121	229	hrs
Time on Fltr		121	229	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		01/19/11	Current	Abn
Silicon		0.7	0.6	---
Potassium		0.0	0.0	---
Water (%)		<0.1	<0.1	0.1
>4µm(c)		44	137	---
>6µm(c)		24	75	1300
>14µm(c)		4	12	160
>21µm(c)		1	4	
>38µm(c)		0	0	
>70µm(c)		0	0	
ISO 4406(c)		12/9	13/11	17/14

OIL CONDITION

The condition of oil is suitable for further service.

Sample Date		01/19/11	Current	Base
Boron		1.1	0.4	
Barium		0.0	0.0	
Calcium		56	41	
Magnesium		0.8	0.0	
Molybdenum		0.0	0.0	
Phosphorus		293	313	
Sulfur		770	774	
Zinc		356	385	
Visc@40°C		53.68	51.46	
Visc@100°C		---	---	
TAN		0.488	0.702	
TBN		---	---	

WEAR

All component wear rates are normal.

Sample Date		01/19/11	Current	Abn
PQ		---	---	---
Iron		0.9	0.6	---
Nickel		0.0	0.0	---
Chromium		0.7	0.5	---
Titanium		0.0	0.0	---
Copper		1.1	1.3	---
Aluminum		0.0	0.0	---
Tin		0.0	0.2	---
Lead		0.0	1.4	---