



MOBILE OIL ANALYSIS REPORT

CONTAMINATION
OIL CONDITION
WEAR

NORMAL
NORMAL
NORMAL

RL108 - Diesel Engine

Unit Make : {n/a}

Unit Model : {n/a}

Comp Make : WASTE TRUCK

Comp Model : {n/a}

Serial No : {n/a}

Cust. Ref No. : {n/a}

Stub No. : KL-M2302215

Date Rec'd : Jan 27, 2012

Sample Date : Jan 20, 2012

Diagnostician : Don Baldrige

RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date	07/15/11	09/27/11	11/14/11	Current	UOM
Time on Unit	4037	4357	4484	4608	hrs
Time on Oil	908	1228	1355	1479	hrs
Time on Fltr	908	1228	1355	1479	hrs
Oil Maint.	not chg	not chg	not chg	not chg	---
Filter Maint.	changed	changed	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	07/15/11	09/27/11	11/14/11	Current	Abn
Silicon	6.5	8.9	7.9	14	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 (%)	0.2	0.8	0.3	1.2	---
>4µm(c)	461	115	307	256	---
>6µm(c)	251	62	167	139	---
>14µm(c)	42	10	28	23	---
>21µm(c)	14	3	9	8	---
>38µm(c)	2	0	1	1	---
>70µm(c)	0	0	0	0	---
ISO 4406(c)	15/13	13/10	15/12	14/12	---

OIL CONDITION

Oil Type: (GENERIC) SAE 15W40

The condition of oil is suitable for further service.

Sample Date	07/15/11	09/27/11	11/14/11	Current	Base
Potassium	0.0	2.6	0.0	3.7	
Boron	347	92	320	123	
Barium	0.0	0.0	0.0	0.0	
Calcium	1523	1650	1544	1518	
Magnesium	414	424	422	412	
Molybdenum	82	85	77	86	
Sodium	2.3	3.7	2.1	5.0	
Phosphorus	1101	1104	1090	1062	
Sulfur	3226	2988	2955	2923	
Zinc	1204	1317	1138	1216	
Visc@100°C	14.71	14.77	14.04	14.22	14.5
TBN	8.05	7.07	12.1	5.39	

WEAR

All component wear rates are normal.

Sample Date	07/15/11	09/27/11	11/14/11	Current	Abn
PQ	---	---	---	---	---
Iron	7.6	30	12	49	---
Nickel	1.7	0.7	0.2	1.0	---
Chromium	0.4	0.9	0.4	1.2	---
Titanium	0.1	0.2	0.1	0.2	---
Copper	1.2	4.1	1.1	3.4	---
Aluminum	3.3	4.5	3.1	5.4	---
Tin	0.0	0.0	0.0	0.0	---
Lead	2.8	29	7.0	15	---