



# MOBILE OIL ANALYSIS REPORT

CONTAMINATION  
OIL CONDITION  
WEAR

**NORMAL**  
**NORMAL**  
**NORMAL**

107232 - Diesel Engine

Unit Make : {n/a}

Unit Model : {n/a}

Comp Make : {n/a}

Comp Model : {n/a}

Serial No : 46757215

Cust. Ref No. : {n/a}

Stub No. : KL-MF008320

Date Rec'd : Oct 12, 2011

Sample Date : Sep 25, 2011

Diagnostician : Don Baldrige

## RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date	07/12/11	08/07/11	09/01/11	Current	UOM
Time on Unit	13702	14105	14489	14848	hrs
Time on Oil	367	770	1154	1513	hrs
Time on Fltr	367	770	1154	1513	hrs
Oil Maint.	not chg	not chg	not chg	not chg	---
Filter Maint.	not chg	not chg	not chg	not chg	---

## CONTAMINATION

There is no indication of any contamination in the component.

Sample Date	07/12/11	08/07/11	09/01/11	Current	Abn
Silicon	1.6	3.4	2.7	3.3	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 (%)	0.5	1.1	1.7	2.3	---
>4µm(c)	---	---	---	---	---
>6µm(c)	---	---	---	---	---
>14µm(c)	---	---	---	---	---
>21µm(c)	---	---	---	---	---
>38µm(c)	---	---	---	---	---
>70µm(c)	---	---	---	---	---
ISO 4406(c)	---	---	---	---	---

## OIL CONDITION

Oil Type: 16 QTS of (GENERIC) SAE 15W40

The condition of oil is suitable for further service.

Sample Date	07/12/11	08/07/11	09/01/11	Current	Base
Potassium	0.2	1.1	0.5	1.3	
Boron	1.5	1.7	1.8	1.7	
Barium	0.0	0.0	0.0	0.0	
Calcium	1330	1332	1329	1468	
Magnesium	592	607	608	685	
Molybdenum	4.5	4.4	4.4	4.3	
Sodium	31	16	13	17	
Phosphorus	1106	1010	919	908	
Sulfur	2561	2507	2474	2671	
Zinc	1060	1075	1087	1161	
Visc@100°C	12.59	12.97	12.61	12.76	14.5
TBN	8.75	8.84	7.9	6.9	

## WEAR

All component wear rates are normal for time on oil.

Sample Date	07/12/11	08/07/11	09/01/11	Current	Abn
PQ	---	---	---	---	---
Iron	23	38	70	85	---
Nickel	0.2	0.5	0.6	0.7	---
Chromium	0.5	0.8	1.0	1.1	---
Titanium	0.0	0.0	0.0	0.0	---
Copper	1.6	3.1	5.0	5.1	---
Aluminum	1.2	1.5	1.6	1.7	---
Tin	0.3	0.2	0.4	0.1	---
Lead	1.1	2.1	3.6	3.1	---