



MOBILE OIL ANALYSIS REPORT

CONTAMINATION
OIL CONDITION
WEAR

NORMAL
NORMAL
NORMAL

Larry Morris Trucking - 328

Unit Make : 1999 KENWORTH

Unit Model : W900

Comp Make : CATERPILLAR

Comp Model : C-15 550

Serial No : {n/a}

Cust. Ref No. : {n/a}

Stub No. : KL-MF216284

Date Rec'd : Mar 21, 2008

Sample Date : Mar 17, 2008

Diagnostician : Jonathan Hester

RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date	10/18/06	01/07/07	07/10/07	Current	UOM
Time on Unit	890772	905990	946608	993722	mls
Time on Oil	130988	146206	186824	233938	mls
Time on Fltr	14347	15218	40618	47114	mls
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.

Sample Date	10/18/06	01/07/07	07/10/07	Current	Abn
Silicon	6.1	3.9	4.8	5.3	
Fuel (%)	<2.0	<2.0	<2.0	<2.0	
Glycol	---	---	---	---	
Water (%)	<0.1	<0.1	<0.1	<0.1	
Soot (%)	0.2	0.1	0.2	0.3	
>2µm	1467	1214	---	---	
>5µm	542	449	---	---	
>15µm	58	48	---	---	
>25µm	13	11	---	---	
>50µm	1	1	---	---	
>100µm	0	0	---	---	
ISO 4406	16/13	16/13	---	---	

OIL CONDITION

Oil Type: 44 QTS of SHELL ROTELLA T 15W40

The condition of oil is suitable for further service.

Sample Date	10/18/06	01/07/07	07/10/07	Current	Base
Potassium	3.5	4.1	0.0	3.2	0.0
Boron	0.3	0.0	0.0	8.7	316
Barium	0.2	0.0	0.5	0.3	0.0
Calcium	2850	2975	3356	2786	2292
Magnesium	8.4	6.3	11	38	24
Molybdenum	1.5	0.0	0.4	2.4	1.2
Sodium	3.3	3.0	5.9	2.5	2.4
Phosphorus	892	959	1086	954	1064
Sulfur	4101	4582	4413	3838	4996
Zinc	1054	1090	1240	1104	1160
Visc@100°C	14.3	14.3	14.4	14.69	14.3
TBN	8.37	8.75	8.13	9.41	8.5

WEAR

All component wear rates are normal.

Sample Date	10/18/06	01/07/07	07/10/07	Current	Abn
Iron	95	90	103	114	---
Nickel	1.2	1.5	3.1	2.7	---
Chromium	2.9	2.8	3.5	3.1	---
Titanium	0.2	0.3	0.3	0.0	---
Copper	53	53	49	33	---
Aluminum	2.9	2.5	2.7	2.8	---
Tin	0.4	0.0	1.1	0.0	---
Lead	1.6	0.0	1.0	3.3	---
Silver	0.0	0.0	0.2	0.0	---