



MOBILE OIL ANALYSIS REPORT

CONTAMINATION	NORMAL
OIL CONDITION	NORMAL
WEAR	NORMAL

[Trucks] 1689 - Diesel Engine

Unit Make : PETERBILT
 Unit Model : {n/a} Serial No : {n/a} Date Rec'd : Mar 8, 2012
 Comp Make : CATEPILLAR Cust. Ref No. : {n/a} Sample Date : Mar 2, 2012
 Comp Model : C-15 Stub No. : KL-MFA04657 Diagnostician : Don Baldrige

RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date	09/14/11	12/16/11	Current	UOM
Time on Unit	230443	11264	11967.5	hrs
Time on Oil	0	0	1500	hrs
Time on Fltr	0	0	1000	hrs
Oil Maint.	n/a	n/a	changed	---
Filter Maint.	n/a	changed	changed	---

CONTAMINATION

There is no indication of any contamination in the component.

Sample Date	09/14/11	12/16/11	Current	Abn
Silicon	5.3	6.5	7.4	15
Fuel (%)	<2.0	<2.0	<2.0	---
Glycol	---	---	---	0.02
Water (%)	<0.1	<0.1	<0.1	0.1
Soot (%)	0	0.1	0.2	---
>4µm(c)	---	---	---	---
>6µm(c)	---	---	---	---
>14µm(c)	---	---	---	---
>21µm(c)	---	---	---	---
>38µm(c)	---	---	---	---
>70µm(c)	---	---	---	---
ISO 4406(c)	---	---	---	---

OIL CONDITION

Oil Type: (GENERIC) SAE 15W40

The condition of oil is suitable for further service.

Sample Date	09/14/11	12/16/11	Current	Base
Potassium	4.7	0.0	4.8	
Boron	435	316	285	
Barium	0.0	0.1	0.0	
Calcium	1609	1524	1729	
Magnesium	404	370	422	
Molybdenum	76	83	88	
Sodium	1.9	1.9	2.1	
Phosphorus	1071	1059	1186	
Sulfur	3361	3325	3210	
Zinc	1127	1172	1300	
Visc@100°C	15.78	13.77	13.93	14.5
TBN	8.35	8.24	7.86	

WEAR

All component wear rates are normal.

Sample Date	09/14/11	12/16/11	Current	Abn
PQ	---	---	---	---
Iron	6.9	36	52	---
Nickel	0.0	0.4	0.0	---
Chromium	0.2	1.1	1.2	---
Titanium	0.1	0.2	0.0	---
Copper	0.8	4.3	5.9	---
Aluminum	2.7	3.7	6.3	---
Tin	0.0	0.0	0.0	---
Lead	0.0	0.8	1.2	---