



MOBILE OIL ANALYSIS REPORT

CONTAMINATION
OIL CONDITION
WEAR

NORMAL
NORMAL
NORMAL

SKID I - Front Diesel Engine

Unit Make : CATERPILLAR

Unit Model : 535C

Comp Make : CATERPILLAR

Comp Model : {n/a}

Serial No : 53500562

Cust. Ref No. : {n/a}

Stub No. : KL-M2216766

Date Rec'd : Mar 9, 2012

Sample Date : Mar 2, 2012

Diagnostician : Don Baldrige

RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date	Current	UOM
Time on Unit	880	hrs
Time on Oil	630	hrs
Time on Fltr	630	hrs
Oil Maint.	changed	---
Filter Maint.	changed	---

CONTAMINATION

The amount and size of particulates present in the system is acceptable. There is no indication of any contamination in the component.

Sample Date	Current	Abn
Silicon	4.4	15
Fuel (%)	<2.0	---
Glycol	---	0.02
Water (%)	<0.1	0.1
Soot (%)	0.3	---
>4µm(c)	333	---
>6µm(c)	181	---
>14µm(c)	30	---
>21µm(c)	10	---
>38µm(c)	1	---
>70µm(c)	0	---
ISO 4406(c)	15/12	---

OIL CONDITION

Oil Type: 7 GAL of CAT DIESEL ENGINE OIL 15W40

The condition of oil is suitable for further service.

Sample Date	Current	Base
Potassium	0.0	
Boron	7.6	
Barium	0.5	
Calcium	2692	
Magnesium	279	
Molybdenum	0.6	
Sodium	3.9	
Phosphorus	1224	
Sulfur	3907	
Zinc	1390	
Visc@100°C	13.82	
TBN	10.8	

WEAR

All component wear rates are normal.

Sample Date	Current	Abn
PQ	---	---
Iron	34	---
Nickel	0.0	---
Chromium	2.0	---
Titanium	0.5	---
Copper	2.3	---
Aluminum	1.7	---
Tin	0.0	---
Lead	2.0	---