



MOBILE OIL ANALYSIS REPORT

CONTAMINATION
OIL CONDITION
WEAR

NORMAL
NORMAL
NORMAL

Ratliff Ready Mix - Diesel Engine

Unit Make : INTERNATIONAL

Unit Model : 5600

Comp Make : CUMMINS

Comp Model : ISM

Serial No : 35144579

Cust. Ref No. : {n/a}

Stub No. : KL-M2202626

Date Rec'd : Dec 28, 2007

Sample Date : Dec 4, 2007

Diagnostician : Doug Bogart

RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date	06/25/07	08/15/07	09/27/07	Current	UOM
Time on Unit	3157	3589	3973	4497	hrs
Time on Oil	2145	2577	2961	524	hrs
Time on Fltr	2145	2577	2961	524	hrs
Oil Maint.	not chg	n/a	changed	not chg	---
Filter Maint.	not chg	not chg	changed	not chg	---

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	06/25/07	08/15/07	09/27/07	Current	Abn
Silicon	6.4	7.9	8.3	4.2	
Fuel (%)	<2.0	<2.0	<2.0	<2.0	
Glycol	---	---	---	---	
Water (%)	<0.1	<0.1	<0.1	<0.1	
Soot (%)	1.9	2.4	2.4	0.8	
>2µm	730	1128	243	282	
>5µm	398	614	132	153	
>15µm	67	104	22	26	
>25µm	22	35	7	8	
>50µm	3	5	1	1	
>100µm	0	0	0	0	
ISO 4406	16/13	16/14	14/12	14/12	

OIL CONDITION

Oil Type: 39 QTS of SAE 15W40

The condition of oil is suitable for further service.

Sample Date	06/25/07	08/15/07	09/27/07	Current	Base
Potassium	0.0	0.0	0.0	5.2	
Boron	2.3	2.8	3.7	4.9	
Barium	0.4	0.4	0.5	0.0	
Calcium	2505	2834	3031	2920	
Magnesium	8.2	8.4	14	13	
Molybdenum	1.2	0.9	1.3	0.9	
Sodium	3.7	6.1	5.6	4.4	
Phosphorus	922	1036	1133	1102	
Sulfur	3289	3814	3860	4899	
Zinc	1090	1256	1233	1192	
Visc@100°C	13.4	13.7	13.72	12.9	14.5
TBN	4.52	4.05	5.46	7.91	

WEAR

All component wear rates are normal.

Sample Date	06/25/07	08/15/07	09/27/07	Current	Abn
Iron	83	111	119	28	---
Nickel	0.7	1.1	1.0	0.4	---
Chromium	3.2	4.1	4.1	1.4	---
Titanium	0.3	0.3	0.3	0.2	---
Copper	27	35	30	7.1	---
Aluminum	2.3	2.9	3.0	1.7	---
Tin	1.4	0.9	1.0	0.4	---
Lead	3.6	6.2	6.9	4.3	---
Silver	0.0	0.0	0.0	0.0	---