MOB II WEAR CHECK

MOBILE OIL ANALYSIS REPORT

CONTAMINATION	NORMAL
OIL CONDITION	NORMAL
WEAR	NORMAL

27181 - Diesel Engine

Unit Make	: PETERBILT				
Unit Model	: 320	Serial No	: {n/a}	Date Rec'd	: Dec 22, 2011
Comp Make	: CUMMINS	Cust. Ref No.	: {n/a}	Sample Date	: Dec 13, 2011
Comp Model	: ISX 350	Stub No.	: KL-M2208966	Diagnostician	: Don Baldridge

RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date	01/11/11	04/20/11	08/05/11	Current	UOM
Time on Unit	27245	30356	35090	41584	mls
Time on Oil	20453	23564	28298	34792	mls
Time on Fltr	2322	3111	4734	6494	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. The amount and size of particulates present in the system is acceptable.

Sample Date	01/11/11	04/20/11	08/05/11	Current	Abn
Silicon	18	9.5	8.2	8.5	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 (%)	1.7	1.6	1.5	1.5	---
>4µm(c)	1679	---	282	333	---
>6µm(c)	914	---	153	181	---
>14µm(c)	155	---	26	30	---
>21µm(c)	52	---	8	10	---
>38µm(c)	8	---	1	1	---
>70µm(c)	0	---	0	0	---
ISO 4406(c)	17/14	---	14/12	15/12	---

OIL CONDITION

Oil Type: 42 QTS of CHEVRON DELO 400 LE 15W40

The condition of oil is suitable for further service.

Sample Date	01/11/11	04/20/11	08/05/11	Current	Base
Potassium	15	23	24	9.3	
Boron	55	51	48	60	
Barium	0.0	0.7	0.5	0.6	
Calcium	1937	2219	2076	2492	
Magnesium	295	280	233	235	
Molybdenum	64	65	55	55	
Sodium	5.6	4.8	4.7	5.4	
Phosphorus	1084	1175	1086	1208	
Sulfur	2917	3325	2960	3264	
Zinc	1292	1352	1286	1384	
Visc@100°C	14.73	14.76	14.49	14.9	
TBN	5.21	6.19	6.70	6.52	

WEAR

All component wear rates are normal.

Sample Date	01/11/11	04/20/11	08/05/11	Current	Abn
PQ	---	---	---	---	---
Iron	93	94	88	97	---
Nickel	1.3	0.4	0.0	0.8	---
Chromium	1.9	1.9	1.7	1.9	---
Titanium	0.4	0.4	0.3	0.3	---
Copper	35	34	34	34	---
Aluminum	6.1	7.9	7.6	7.9	---
Tin	2.1	0.9	1.0	1.7	---
Lead	52	52	46	56	---

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