



MOBILE OIL ANALYSIS REPORT

CONTAMINATION
OIL CONDITION
WEAR

NORMAL
NORMAL
NORMAL

29231 - Hydraulic System

Unit Make : 2005 AUTOCAR

Unit Model : EXPEDITOR

Comp Make : {n/a}

Comp Model : {n/a}

Serial No : H201564

Cust. Ref No. : {n/a}

Stub No. : KL-M2207288

Date Rec'd : Jul 18, 2011

Sample Date : Jun 25, 2011

Diagnostician : Jonathan Hester

RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date	01/26/10	04/02/10	02/17/11	Current	UOM
Time on Unit	8546	8978	10341	10994	hrs
Time on Oil	1378	1820	3183	653	hrs
Time on Fltr	1378	1820	1363	653	hrs
Oil Maint.	not chg	not chg	not chg	not chg	---
Filter Maint.	not chg	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	01/26/10	04/02/10	02/17/11	Current	Abn
Silicon	10	11	9.3	8.5	---
Potassium	0.0	0.0	0.0	0.0	---
Water (%)	<0.1	<0.1	<0.1	<0.1	0.1
>4µm(c)	733	19713	152	49	---
>6µm(c)	399	2419	83	26	1300
>14µm(c)	68	26	14	4	160
>21µm(c)	22	7	4	1	
>38µm(c)	3	1	0	0	
>70µm(c)	0	0	0	0	
ISO 4406(c)	16/13	18/12	14/11	12/9	17/14

OIL CONDITION

The condition of oil is suitable for further service.

Sample Date	01/26/10	04/02/10	02/17/11	Current	Base
Boron	69	69	55	44	
Barium	0.1	0.0	0.0	0.0	
Calcium	3173	3300	2025	1943	
Magnesium	5.8	6.8	4.2	3.2	
Molybdenum	0.3	0.4	0.3	0.0	
Phosphorus	1100	1138	817	804	
Sulfur	3705	3563	2299	2329	
Zinc	1370	1382	1063	972	
Visc@40°C	43.84	42.9	43.91	43.42	
Visc@100°C	---	---	---	---	
TAN	1.98	2.22	1.79	1.92	
TBN	---	---	---	---	

WEAR

All component wear rates are normal.

Sample Date	01/26/10	04/02/10	02/17/11	Current	Abn
PQ	---	---	---	---	---
Iron	7.7	8.7	11	12	---
Nickel	0.0	0.0	0.0	0.4	---
Chromium	0.2	0.2	0.2	0.2	---
Titanium	0.8	0.4	0.5	0.2	---
Copper	4.5	4.3	8.8	8.1	---
Aluminum	0.9	0.9	1.3	1.2	---
Tin	0.0	0.0	0.0	0.0	---
Lead	1.5	0.9	1.9	0.8	---