



## MOBILE OIL ANALYSIS REPORT

 CONTAMINATION  
 OIL CONDITION  
 WEAR

NORMAL

NORMAL

NORMAL

## Schlumberger - Front Hydraulic System

Unit Make : {n/a}

Unit Model : {n/a}

Comp Make : {n/a}

Comp Model : {n/a}

Serial No : 2048

Cust. Ref No. : {n/a}

Stub No. : KL-M090669

Date Rec'd : Dec 28, 2007

Sample Date : Dec 14, 2007

Diagnostician : Doug Bogart

**RECOMMENDATION**

Resample at the next service interval to monitor.

Sample Date			06/19/07	Current	UOM
Time on Unit			1659	1916	hrs
Time on Oil			147	260	hrs
Time on Fltr			147	260	hrs
Oil Maint.			n/a	changed	---
Filter Maint.			n/a	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			06/19/07	Current	Abn
Silicon			1.0	2.0	---
Potassium			0.0	0.0	---
Water (%)			<0.1	<0.1	
>2µm			12358	4435	---
>5µm			1447	395	1300
>15µm			17	34	160
>25µm			10	8	
>50µm			6	1	
>100µm			0	0	
ISO 4406			18/11	16/12	17/14

**OIL CONDITION**

Oil Type: 25 GAL of MOBIL EAL 224H

The condition of oil is suitable for further service.

Sample Date			06/19/07	Current	Base
Boron			1.4	6.2	
Barium			0.0	0.2	
Calcium			0.6	0.8	
Magnesium			0.1	0.0	
Molybdenum			0.0	0.9	
Phosphorus			133	155	
Sulfur			114	558	
Zinc			17	42	
Visc@40°C			36.00	36.99	37
Visc@100°C			---	---	
TAN			0.860	0.502	

**WEAR**

All component wear rates are normal.

Sample Date			06/19/07	Current	Abn
Iron			9.3	11	---
Nickel			0.7	0.6	---
Chromium			0.0	0.0	---
Titanium			0.0	0.0	---
Copper			0.4	3.0	---
Aluminum			0.1	0.6	---
Tin			2.6	3.0	---
Lead			0.2	1.8	---
Silver			0.0	0.0	---