



MOBILE OIL ANALYSIS REPORT

CONTAMINATION
OIL CONDITION
WEAR

NORMAL
NORMAL
NORMAL

4011 - Hydraulic System

Unit Make : GOMACO
 Unit Model : 2800 DAVER
 Comp Make : {n/a}
 Comp Model : {n/a}

Serial No : {n/a}
 Cust. Ref No. : {n/a}
 Stub No. : KL-M090901

Date Rec'd : Aug 22, 2006
 Sample Date : Aug 16, 2006
 Diagnostician : Doug Bogart

RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date	02/01/06	05/04/06	07/19/06	Current	UOM
Time on Unit	7422	7804	7853	7897	hrs
Time on Oil	127	7804	7853	7897	hrs
Time on Fltr	0	255	49	44	hrs
Oil Maint.	n/a	not chg	not chg	not chg	---
Filter Maint.	changed	changed	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	02/01/06	05/04/06	07/19/06	Current	Abn
Silicon	6.0	6.8	6.8	7.3	---
Potassium	0.0	0.0	0.0	0.0	---
Water (%)	<0.1	<0.1	<0.1	<0.1	
>2µm	13536	2135	7834	6704	---
>5µm	1811	789	865	311	1300
>15µm	157	84	104	17	160
>25µm	43	20	26	3	
>50µm	3	1	3	0	
>100µm	0	0	0	0	
ISO 4406	18/14	17/14	17/14	15/11	17/14

OIL CONDITION

Oil Type: SAE 10W30

The condition of oil is suitable for further service.

Sample Date	02/01/06	05/04/06	07/19/06	Current	Base
Boron	1.6	2.6	1.3	1.9	
Barium	0.0	0.0	0.0	2.0	
Calcium	202	259	231	246	
Magnesium	0.0	0.7	0.0	3.1	
Molybdenum	2.9	2.7	2.6	2.8	
Phosphorus	267	335	247	302	
Sulfur	1267	1467	1307	1546	
Zinc	308	378	335	348	
Visc@40°C	58.79	56.63	54.94	55.05	65.0
Visc@100°C	---	---	---	---	11.0
TAN	0.704	0.495	0.480	0.579	

WEAR

All component wear rates are normal.

Sample Date	02/01/06	05/04/06	07/19/06	Current	Abn
Iron	2.9	2.7	3.8	4.1	---
Nickel	0.2	0.0	0.4	0.4	---
Chromium	0.0	0.0	0.0	0.1	---
Titanium	0.0	0.0	0.0	0.0	---
Copper	4.9	4.9	11	12	---
Aluminum	0.9	1.7	1.5	1.8	---
Tin	0.0	0.0	1.7	0.0	---
Lead	0.0	0.0	0.0	0.7	---
Silver	0.0	0.0	0.0	0.1	---