



MOBILE OIL ANALYSIS REPORT

 CONTAMINATION
 OIL CONDITION
 WEAR

NORMAL

NORMAL

NORMAL

Chevron - Crane - Hydraulic System

 Unit Make : TITAN
 Unit Model : CRANE
 Comp Make : {n/a}
 Comp Model : {n/a}

 Serial No : {n/a}
 Cust. Ref No. : {n/a}
 Stub No. : KL-M2202806

 Date Rec'd : Feb 1, 2008
 Sample Date : Jan 17, 2008
 Diagnostician : Doug Bogart

RECOMMENDATION	Sample Date	10/14/07	10/31/07	01/07/08	Current	UOM
	Resample at the next service interval to monitor.	Time on Unit	0	317	0	0
Time on Oil		300	317	378	410	hrs
Time on Fltr		300	317	378	410	hrs
Oil Maint.		not chg	not chg	n/a	n/a	---
Filter Maint.		not chg	not chg	not chg	not chg	---

CONTAMINATION	Sample Date	10/14/07	10/31/07	01/07/08	Current	Abn
	There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.	Silicon	4.4	3.8	3.5	5.0
Potassium		11	0.0	0.0	0.0	---
Water (%)		<0.1	<0.1	<0.1	<0.1	
>2µm		9635	23534	24471	93	---
>5µm		6530	16685	9313	50	1300
>15µm		13	78	16	8	160
>25µm		1	24	2	2	
>50µm		0	3	0	0	
>100µm		0	0	0	0	
ISO 4406		20/11	21/13	20/11	13/10	17/14

OIL CONDITION	Sample Date	10/14/07	10/31/07	01/07/08	Current	Base
	Oil Type: 60 GAL of CHEVRON CLARITY HYDRAULIC AW 46 The condition of oil is suitable for further service.	Boron	0.0	1.6	0.0	0.0
Barium		0.0	0.0	0.0	0.0	
Calcium		1.1	11	0.0	0.4	
Magnesium		2.2	0.0	0.1	0.0	
Molybdenum		0.2	0.0	0.5	0.0	
Phosphorus		198	196	269	244	
Sulfur		527	489	690	608	
Zinc		49	47	55	61	
Visc@40°C		28.95	30.00	29.21	30.00	46.0
Visc@100°C		---	---	---	---	7.0
TAN		0.191	0.276	0.362	0.193	

WEAR	Sample Date	10/14/07	10/31/07	01/07/08	Current	Abn
	All component wear rates are normal.	Iron	4.7	4.8	5.5	5.6
Nickel		0.0	0.0	0.1	0.0	---
Chromium		0.0	0.0	0.0	0.0	---
Titanium		0.0	0.0	0.0	0.0	---
Copper		0.7	0.7	0.9	0.6	---
Aluminum		0.0	0.2	0.0	0.0	---
Tin		0.0	0.7	0.0	0.5	---
Lead		0.0	0.0	0.0	0.0	---
Silver		0.0	0.0	0.1	0.0	---