



MOBILE OIL ANALYSIS REPORT

CONTAMINATION
OIL CONDITION
WEAR

NORMAL
NORMAL
NORMAL

CUBER PUMP - Hydraulic System

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

Serial No : {n/a}
 Cust. Ref No. : {n/a}
 Stub No. : KL-M2335812

Date Rec'd : Jun 14, 2016
 Sample Date : Jun 7, 2016
 Diagnostician : Wes Davis

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Sample Date	09/02/15	12/03/15	03/02/16	Current	UOM
Time on Unit	0	0	0	0	hrs
Time on Oil	0	0	0	0	hrs
Time on Fltr	0	0	0	0	hrs
Oil Maint.	not chg	not chg	not chg	not chg	---
Filter Maint.	not chg	not chg	not chg	not chg	---

CONTAMINATION

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Sample Date	09/02/15	12/03/15	03/02/16	Current	Abn
Silicon	0.2	0.7	0.6	0.8	20
Potassium	1.9	5.0	0.0	6.7	20
Water (%)	<0.1	<0.1	<0.1	<0.1	0.1
>4µm(c)	280	177	335	202	---
>6µm(c)	86	96	37	19	1300
>14µm(c)	9	16	1	1	160
>21µm(c)	2	5	0	0	---
>38µm(c)	0	0	0	0	---
>70µm(c)	0	0	0	0	---
ISO 4406(c)	14/10	14/11	12/7	11/7	>17/14

OIL CONDITION

Oil Type: 180 GAL of SHELL TELLUS 68

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sample Date	09/02/15	12/03/15	03/02/16	Current	Base
Boron	0.0	0.0	0.0	0.0	
Barium	0.0	0.0	0.2	0.0	
Calcium	48	52	50	53	39
Magnesium	5.5	7.6	7.4	7.3	11
Molybdenum	0.0	0.0	0.0	0.1	
Phosphorus	241	226	219	219	260
Sulfur	4544	4322	4115	4348	2109
Zinc	236	223	220	223	279
Visc 40°C (cSt)	66.08	67.71	66.52	66.86	69.43
Visc 100°C (cSt)	---	---	---	---	8.76
AN (mg/KOH/g)	0.218	0.258	0.356	0.261	0.37
BN (mg/KOH/g)	---	---	---	---	

WEAR

All component wear rates are normal.

Sample Date	09/02/15	12/03/15	03/02/16	Current	Abn
PQ	---	---	---	---	---
Iron	0.8	0.8	0.7	0.8	20
Nickel	0.0	0.0	0.0	0.0	---
Chromium	0.0	0.0	0.1	0.1	10
Titanium	0.0	0.0	0.0	0.0	---
Copper	9.8	7.3	7.8	7.9	75
Aluminum	0.0	0.1	0.0	0.1	10
Tin	1.7	0.0	0.0	0.0	10
Lead	1.2	0.0	0.4	1.0	10

