



# MOBILE OIL ANALYSIS REPORT

CONTAMINATION	<b>NORMAL</b>
OIL CONDITION	<b>NORMAL</b>
WEAR	<b>NORMAL</b>

## PACIFIC CHALLENGER - Front Diesel Engine

Unit Make : JOHN DEERE  
 Unit Model : 6081AFM75E Serial No : RG6081A301613 Date Rec'd : Mar 20, 2012  
 Comp Make : {n/a} Cust. Ref No. : {n/a} Sample Date : Mar 11, 2012  
 Comp Model : {n/a} Stub No. : KL-MFA01606 Diagnostician : Don Baldrige

### RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date	02/09/12	02/19/12	03/01/12	Current	UOM
Time on Unit	20550	20800	21061	21301	hrs
Time on Oil	1250	1500	1750	2000	hrs
Time on Fltr	1250	1500	250	2000	hrs
Oil Maint.	not chg	not chg	not chg	changed	---
Filter Maint.	not chg	not chg	not chg	changed	---

### CONTAMINATION

There is no indication of any contamination in the component.

Sample Date	02/09/12	02/19/12	03/01/12	Current	Abn
Silicon	3.9	5.3	3.9	4.5	15
Fuel (%)	<2.0	<2.0	<2.0	<2.0	---
Glycol	---	---	---	---	0.02
Water (%)	<0.1	<0.1	<0.1	<0.1	0.1
Soot (%)	0.8	0.9	0.4	0.6	---
>4µm(c)	---	---	---	---	---
>6µm(c)	---	---	---	---	---
>14µm(c)	---	---	---	---	---
>21µm(c)	---	---	---	---	---
>38µm(c)	---	---	---	---	---
>70µm(c)	---	---	---	---	---
ISO 4406(c)	---	---	---	---	---

### OIL CONDITION

Oil Type: 11 GAL of MOBIL 15W40

The condition of oil is suitable for further service.

Sample Date	02/09/12	02/19/12	03/01/12	Current	Base
Potassium	0.0	0.0	0.0	1.4	
Boron	32	29	44	38	
Barium	0.1	0.0	0.0	0.0	
Calcium	2866	3113	2451	2526	
Magnesium	567	536	510	528	
Molybdenum	63	60	49	51	
Sodium	1.1	0.0	1.2	0.9	
Phosphorus	1272	998	1128	1164	
Sulfur	4634	3762	4283	4320	
Zinc	1414	1310	1219	1275	
Visc@100°C	14.63	14.64	14.07	14.31	
TBN	12.59	10.88	12.4	12.7	

### WEAR

All component wear rates are normal.

Sample Date	02/09/12	02/19/12	03/01/12	Current	Abn
PQ	---	---	---	---	---
Iron	33	35	14	21	---
Nickel	1.6	2.9	0.0	0.4	---
Chromium	0.6	0.6	0.2	0.1	---
Titanium	0.0	0.0	0.3	0.3	---
Copper	1.6	2.8	0.5	2.0	---
Aluminum	1.4	1.3	1.6	1.4	---
Tin	0.0	0.0	0.0	0.0	---
Lead	2.2	2.9	0.2	0.9	---