

# Crab Fishing Boat Oil Analysis

Written by Dan

Thursday, 22 September 2011 21:20 - Last Updated Thursday, 22 September 2011 21:26



This Boat is

MOBIL Castrol LABS OIL ANALYSIS REPORT		CONTAMINATION	WEAR	OIL CONDITION	
		NORMAL	NORMAL	NORMAL	
BOAT CAT - Diesel Engine					
Unit Make	: (n/a)	Serial No	: (n/a)	Date Rec'd	: Apr 15, 2011
Unit Model	: (n/a)	Cont. Ref No.	: (n/a)	Sample Date	: Apr 9, 2011
Comp Make	: CATERPILLAR	Sub No.	: AP-6964	Diagnostician	: Kevin Marston
Comp Model	: 3408 300HP				
<b>RECOMMENDATION</b>					
Resample at the next service interval to monitor:					
Sample Date		Current	UOM		
Time on Unit		12000	hrs		
Time on Oil		220	hrs		
Time on Ftr		0	hrs		
Oil Mgmt		n/a			
Ftrc Mgmt		n/a			
<b>CONTAMINATION</b>					
There is no indication of any contamination in the component.					
Sample Date		Current	Abn		
Silicon		86	15		
Phosphorus		14	10		
Sodium		1.7	50		
Fract (%)		<-2.0	4		
Splast		---	0.02		
Water (%)		<-0.1	0.1		
Soot (%)		0.2	1		
Sulfation		47	100		
Nitration		71	100		
<b>WEAR</b>					
All component wear rates are normal.					
Sample Date		Current	Abn		
Iron		130	100		
Nickel		0.2	2		
Chromium		0.1	20		
Titanium		0.0	2		
Copper		1.8	330		
Aluminum		1.1	20		
Tin		0.0	15		
Lead		2.4	40		
Silver		0.0	3		
<b>OIL CONDITION</b>					
The condition of the oil is acceptable for the time in service.					
Sample Date		Current	Base		
Bores		2.4			
Bottom		0.0			
Calcium		2330			
Magnesium		9.3			
Molybdenum		1.1			
Sulfur		1.1			
Phosphorus		281			
Sulfic		1033			
Zinc		1100			
Visc@150°C		11.0			
Visc@100°C		11.0			
VI		---			
Undeion		---			

Report ID - 00DBER (WCAASIS) 01677890 - Pg. 1

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and this one

MOB Castrol LABORECK		CONTAMINATION	NORMAL
MOBILE OIL ANALYSIS REPORT		WEAR	NORMAL
		OIL CONDITION	NORMAL
BOAT KUBOTA - Diesel Engine			
Unit Make : (n/a)	Serial No : (n/a)	Date Rec'd : Apr 15, 2011	
Unit Model : (n/a)	Serial No : (n/a)	Sample Date : Apr 9, 2011	
Comp Make : KUBOTA	Cust Ref No : (n/a)	Diagnostician : Kevin Marson	
Comp Model : SCTL2H2P	Shop No : AFA49955		
<b>RECOMMENDATION</b>			
Resample at the next service interval to monitor.			
<b>CONTAMINATION</b>			
There is no indication of any contamination in the component.			
<b>100% Soot Prevention after 328 hours</b>			
<b>WEAR</b>			
All component wear rates are normal.			
<b>Metal count's are way below normal after 328 hours</b>			
<b>OIL CONDITION</b>			
The condition of the oil is acceptable for the time in service.			
<b>All Green lights on oil condition</b>			

  

Sample Date	Current	UOM
Time on Unit	2400	hrs
Time on Oil	328	hrs
Time on Ftr	0	hrs
Oil Mgmt	n/a	---
Filter Mgmt	n/a	---

  

Sample Date	Current	Abn
Silicon	37	15
Phosphorus	12	10
Sodium	11	50
Frust (%)	<2.0	4
Sput	---	0.05
Water (%)	<0.1	0.1
Soot (%)	0	1
Sulfation	60	100
Nitration	31	100

  

Sample Date	Current	Abn
Iron	103	1
Nickel	0.5	1
Chromium	0.1	20
Titanium	0.0	1
Copper	0.3	310
Aluminum	1.1	20
Tin	0.0	15
Lead	0.0	40
Silver	0.0	1

  

Sample Date	Current	Base
Barium	1.6	---
Bismuth	0.0	---
Calcium	2.00	---
Magnesium	0.3	---
Antimony	1.1	---
Selenium	0.1	---
Phosphorus	290	---
Sulfur	1221	---
Zinc	1107	---
Visc@150°C	---	---
Visc@100°C	11.6	---
VI	---	---
Oxidation	88	---

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