

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 50HP				
RECOMMENDATION					
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			
CONTAMINATION					
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		
Sfcol		---	0.02		
Water (%)		<-0.1	0.1		
Soot (%)		0.2	1		
Sulfation		47	100		
Nitration		71	100		
WEAR					
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		1.3	25		
Tin		0.0	15		
Lead		2.4	40		
Silver		0.0	3		
OIL CONDITION					
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		13.0			
Visc@100°C		11.0			
VI		---			
Undeion		---			

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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 : SCTL2HSD	Shop No. : AP46955		
RECOMMENDATION			
Resample at the next service interval to monitor.			
	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	---
CONTAMINATION			
There is no indication of any contamination in the component.			
	Sample Date	Current	Abn.
	Silicon	37	15
	Phosphorus	12	10
	Sodium	11	50
	Fract (%)	<2.0	4
	Sput.	---	0.05
	Water (%)	<0.1	0.1
	Soot (%)	0	1
	Sulfation	60	100
	Nitration	31	100
WEAR			
All component wear rates are normal.			
	Sample Date	Current	Abn.
	Iron	103	100
	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
OIL CONDITION			
The condition of the oil is acceptable for the time in service.			
	Sample Date	Current	Base
	Bohem	1.6	
	Bismuth	0.0	
	Calcium	2.00	
	Magnesium	0.3	
	Vanadium	1.1	
	Selenium	0.1	
	Phosphorus	290	
	Sulfur	1221	
	Zinc	1107	
	Visc@10°C	---	
	Visc@150°C	11.6	
	VI	---	
	Oxidation	88	

100% Soot Prevention after 328 hours

Metal count's are way below normal after 328 hours

All Green lights on oil condition

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