

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 CHECK		CONTAMINATION	NORMAL
MOBILE OIL ANALYSIS REPORT		WEAR	NORMAL
		OIL CONDITION	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-69964	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	
Splast	---	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	1.1	20	
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	Basic	
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 : AFA49955		
RECOMMENDATION			
Resample at the next service interval to monitor.			
CONTAMINATION			
There is no indication of any contamination in the component.			
100% Soot Prevention after 328 hours			
WEAR			
All component wear rates are normal.			
Metal count's are way below normal after 328 hours			
OIL CONDITION			
The condition of the oil is acceptable for the time in service.			
All Green lights on oil condition			

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
Iron (%)	<2.0	4
Alum.	---	0.05
Water (%)	<0.1	0.1
Soot (%)	0	1
Sulfation	60	100
Nitration	31	100

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

Sample Date	Current	Base
Boron	1.6	---
Barium	0.0	---
Calcium	2.00	---
Magnesium	0.3	---
Vanadium	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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