

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-69964	Diagnostician : Kevin Marston		
RECOMMENDATION		Sample Date	Current	UOM
Resample at the next service interval to monitor.		Time on Unit	12000	hrs
		Time on Oil	220	hrs
		Time on Ftr	0	hrs
		Oil Mgmt.	n/a	---
		Ftrcs Mgmt.	n/a	---
CONTAMINATION		Sample Date	Current	Abn.
There is no indication of any contamination in the component.		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	87	100
		Nitration	71	100
WEAR		Sample Date	Current	Abn.
All component wear rates are normal.		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		Sample Date	Current	Base
The condition of the oil is acceptable for the time in service.		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	113.0	
		Visc@100°C	---	
		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	Cont. Ref No : (n/a)	Diagnostician : Kevin Marson	
Comp Model : SCTL2H2P	Shub 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
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@100°C	---	---
Visc@150°C	11.6	---
VI	---	---
Oxidation	88	---

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