

**International Independent Inspection & Testing Company**

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**USED OIL ANALYSIS PROGRAM**

Company	:	Sample Identification	:	Aux Engine # 3	
Address	:	Application	:	Engine	
	:	Position drawn	:	Filter Outlet	
Phone	:	Make/Model	:	N/P	
Fax	:	Lubricant Make	:	Aurelia XL 4040	
Attn.	:	Reservoir Capacity	:	N/P	
Vessel	:	Fuel in use	:	HFO 380 cst	
	:	LPO NO.	:	N/P	

TEST & UNIT	METHOD	RESULT	RESULT	RESULT	RESULT	RESULT
Lab Report No : GC\LR\		87426/2011	98900/2011	101603/11	103389/11	<b>111638/11</b>
Sample No. GC\		87426	98900	101603	103389	<b>111638</b>
Date Sampled		18/11/2010	13/02/2011	09/03/2011	21/04/2011	<b>20/06/2011</b>
Date Received		04/01/2011	21/03/2011	02/04/2011	24/04/2011	<b>20/06/2011</b>
Date Reported		15/01/2011	23/03/2011	04/04/2011	25/04/2011	<b>23/06/2011</b>
Hours on Unit		5990	6412	7008	7129	<b>7131</b>
Hours on Oil		N/P	500	500	919	<b>N/P</b>
Oil Added		N/P	N/P	N/P	N/P	<b>N/P</b>
Viscosity @ 100 °C mm <sup>2</sup> /s	D445	14.31	13.23	12.72	16.95	<b>14.83</b>
Flash Point °C	D 92	236	234	232	242	<b>234</b>
Base Number mgKOH/g	D 2896	34.85	34.11	31.26	33.26	<b>23.71</b>
Water % Vol	D95	<0.05	<0.05	<0.05	<0.05	<b>&lt;0.05</b>
Insol. Pentane % Wt	D893	0.14	0.13	0.12	0.53	<b>0.14</b>

Wear Metals & Contaminants mg/Kg							
Iron	Fe	D 5185	4	5	2	8	<b>10</b>
Chromium	Cr	D 5185	<1	<1	<1	<1	<b>&lt;1</b>
Silicon	Si	D 5185	5	7	<1	4	<b>4</b>
Aluminium	Al	D 5185	<1	1	1	<1	<b>4</b>
Lead	Pb	D 5185	<1	<1	<1	2	<b>2</b>
Copper	Cu	D 5185	<1	<1	<1	2	<b>2</b>
Tin	Sn	D 5185	<1	<1	<1	<1	<b>&lt;1</b>

Test Method deviation : None  
 Sampling method : N/A  
 Test conducted by Emp# : 249, 299  
 Report prepared by Emp# : 144

The above test results are only applicable to the sample(s) referred above

Remark : Satisfactory, suitable for continued service.

Reported by

Laboratory Manager

