OIL ANALYSIS REPORT

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

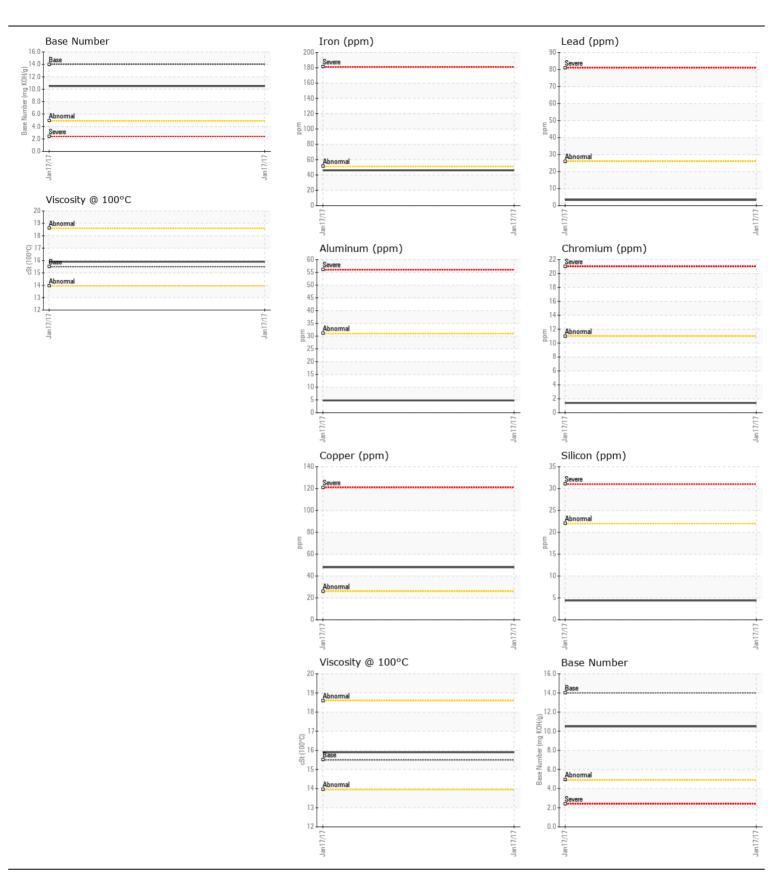
Machine Id

1 GENERATOR (S/N PE6068L263058)

Right Diesel Engine

TRC MOLY XL PRO-SPEC IV 15W40 (5 GAL)

THE MOLY AL PRO-SPECTV 15W40 (5 GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		TR04153348		
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		17 Jan 2017		
	Machine Age	hrs	Client Info		2700		
	Oil Age	hrs	Client Info		1400		
	Filter Age	hrs	Client Info		1400		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAD			40714 05405				
WEAR	Iron	ppm	ASTM D5185m		46		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		1		
	Nickel	ppm	ASTM D5185m	>5	<1		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		5		
	Lead	ppm	ASTM D5185m		3		
	Copper	ppm	ASTM D5185m		48		
	Tin	ppm	ASTM D5185m	>4	2		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	12 12 122	ACTM DE10Em	. 00	4		
CONTAMINATION		ppm		>22	4		
There is no indication of any contamination in the component.	Potassium	ppm	ASTM D5185m				
	Fuel		WC Method	>2.1	<1.0		
	Water		WC Method	>0.21	NEG		
	Glycol	0/	WC Method	0	NEG		
	Soot %	%	*ASTM D7844	>3	0.1		
	Nitration	Abs/cm	*ASTM D7624		9.		
	Sulfation	Abs/.1mm	*ASTM D7415	NONE	18.		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE NORML		
	Appearance Odor	scalar scalar	*Visual *Visual	NORML	_		
				NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.21	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	5		
	Boron	ppm	ASTM D5185m		4		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		180		
	Manganese	ppm	ASTM D5185m		1		
	Magnesium	ppm	ASTM D5185m		921		
	Calcium	ppm	ASTM D5185m	1300	1737		
	Phosphorus	ppm	ASTM D5185m		1072		
				1200	1234		
	Zinc	ppm	ASTM D5185m	1300	1234		
	•	ppm	ASTM D5185m	1300			
	Zinc			1300	2807 14.		
	Zinc Sulfur	ppm Abs/.1mm	ASTM D5185m		2807		







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: TR04153348 : 04153348 : 7681751 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 31 Jan 2017

Diagnosed : 02 Feb 2017 Diagnostician : Doug Bogart

44 SOUTHSHORE DR PELHAM, NH US 03076

BOSTON MARINE TRANSPORT

Contact: FRANK MORTON

To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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