## **OIL ANALYSIS REPORT**

## LIPTON LIPTON VOLVO PENTA A 192055 - STARBOARD DIESEL ENGINE

Sample No: VPA048909

Oil Type: SHELL ROTELLA T 15W40

#### SAMPLE INFORMATION

Sample Number		VPA048909			
Sample Date		17 Apr 2024			
Machine Hours		645			
Oil Hours		25			
Oil Changed		Not Changd			
Sample Status		NORMAL			
OIL CONDITION					
Visc @ 100°C	cSt	<b>14.5</b>			
Base Number (BN)	mg KOH/g	9.0			
Oxidation (PA)	%	64			
CONTAMINATION					
	0(				
Water	%	NEG			
Soot %	%	0.1			
Nitration (PA)	%	43			
Sulfation (PA)	%	56			
Glycol	%	NEG			
Fuel	%	<1.0			
Silicon	ppm	8			
Sodium	ppm	<b>4</b>			
Potassium	ppm	<b>1</b> 3			
WEAR METALS					
Iron	ppm	3			
Copper	ppm	<b>4</b>			
Lead	ppm	6			
Tin	ppm	<b>■</b> <1			
Aluminum	ppm	2			
Chromium	ppm	<b>■</b> <1			
Molybdenum	ppm	3			
Nickel	ppm	0			
Titanium	ppm	<b>■</b> <1			
Silver	ppm	<b>  </b> <1			
Manganese	ppm	0			
Vanadium	ppm	<1			
ADDITIVES					
Calcium	ppm	2053			
Magnesium	ppm	37			
Zinc	ppm	1124			
Phosphorus	ppm	<b>1005</b>			
Barium	ppm	0			
Boron	ppm	204			



Gary Wood's Marine Inc 3469 SW Palm City School Ave #A PALM CITY, FL US 34990 Contact: Barbara Foreman barbara@garywoodsmarine.com T: (772)287-6093 F: (772)287-7134

### Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VP152567

 Unique No:
 10989453

 Signed:
 Don Baldridge

 Report Date:
 23 Apr 2024

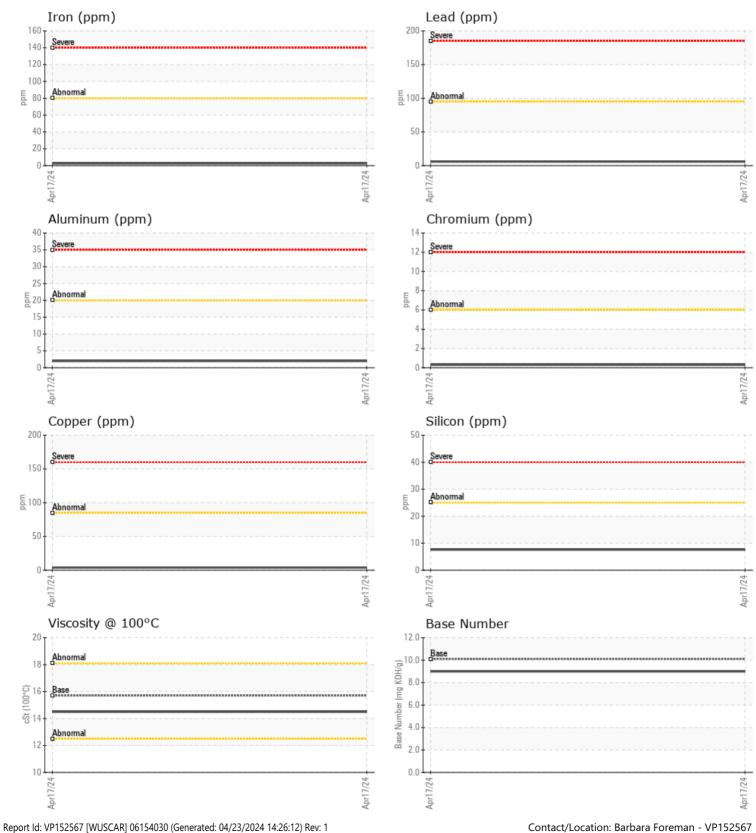
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Contact/Location: Barbara Foreman - VP152567

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#### GRAPHS



Contact/Location: Barbara Foreman - VP152567