OIL ANALYSIS REPORT

B BIEBEL ALAN VOLVO PENTA A 195794 - STARBOARD DIESEL ENGINE

Sample No: VPA059315

Oil Type: VALVOLINE 15W40

SAMPLE INFORMATION

Sample Number		VPA059315	 	
Sample Date		19 Oct 2023	 	
Machine Hours		1026	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.9	 	
Base Number (BN)	mg KOH/g	8.7	 	
Oxidation (PA)	%	65	 	
CONTAMINATION				
Soot %	%	0.2	 	
Nitration (PA)	%	60	 	
Sulfation (PA)	%	53	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	4	 	
Sodium	ppm	2	 	
Potassium	ppm	1	 	
		.		

WEAR METALS

Iron	ppm	8	 	
Copper	ppm	2	 	
Lead	ppm	1	 	
Tin	ppm	■ <1	 	
Aluminum	ppm	5	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	46	 	
Nickel	ppm	■ <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	0	 	

ADDITIVES

Calcium	ppm	1230	 	
Magnesium	ppm	873	 	
Zinc	ppm	1033	 	
Phosphorus	ppm	829	 	
Barium	ppm	0	 	
Boron	ppm	40	 	

Precision Marine Center Llc

290 Drake Ave NEW ROCHELLE, NY US 10805 Contact: Marc Castellano marc@precisionmarinecenter.com T: F:

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 suitable for further service.

 Depot:
 VP850387

 Unique No:
 10710531

 Signed:
 Don Baldridge

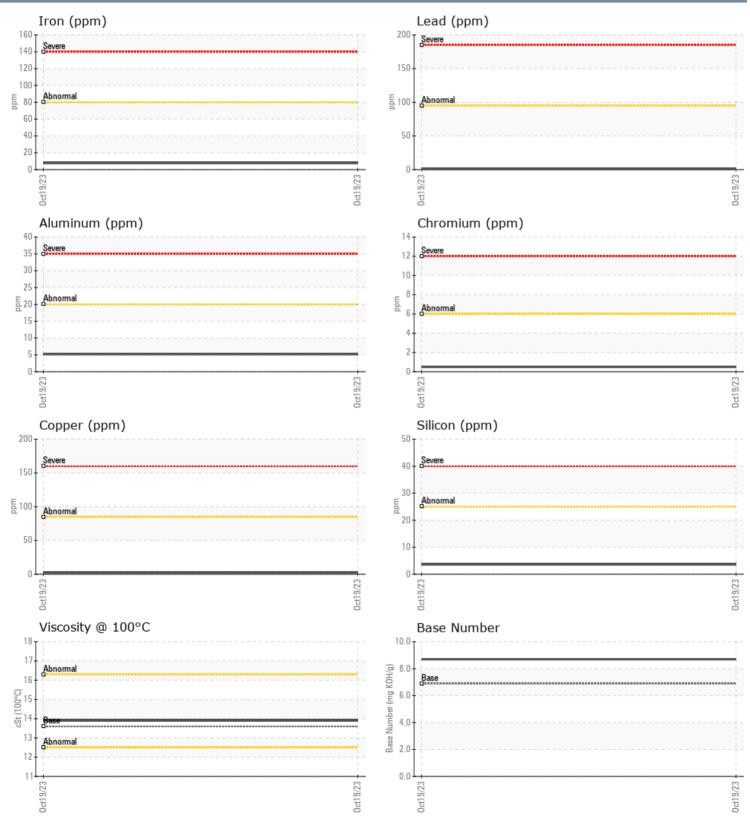
 Report Date:
 26 Oct 2023

Contact/Location: Marc Castellano - VP850387

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP850387 [WUSCAR] 05987869 (Generated: 10/26/2023 17:08:28) Rev: 1

Contact/Location: Marc Castellano - VP850387