# **OIL ANALYSIS REPORT**

## 15123 VOLVO PENTA 7009134442 - STARBOARD DIESEL ENGINE

Sample No: VPA036428

Oil Type: VOLVO PENTA SAE 15W40

### SAMPLE INFORMATION

Sample Number		VPA036428	 	
Sample Date		27 Sep 2023	 	
Machine Hours		1085	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	<b>14.3</b>	 	
Base Number (BN)	mg KOH/g	7.2	 	
Dase Multiber (DIN)	ing Kon/g			
Oxidation (PA)	%	64	 	
Oxidation (PA)		_	 	
		_	 	
Oxidation (PA)		_	 	
Oxidation (PA)	%	64		
Oxidation (PA) CONTAMINATION Soot %	%	64 0.1	 	
Oxidation (PA) CONTAMINATION Soot % Nitration (PA)	%	64 0.1 53	 	
Oxidation (PA) CONTAMINATION Soot % Nitration (PA) Sulfation (PA)	% % %	64 0.1 53 54	 	
Oxidation (PA) CONTAMINATION Soot % Nitration (PA) Sulfation (PA) Glycol	% % % %	64 0.1 53 54 NEG	 	
Oxidation (PA) CONTAMINATION Soot % Nitration (PA) Sulfation (PA) Glycol Fuel	% % % % %	64 0.1 53 54 NEG <1.0	 	

## WEAR METALS

Iron	ppm	<b>1</b> 4	 	
Copper	ppm	<b>4</b>	 	
Lead	ppm	2	 	
Tin	ppm	<b></b> <1	 	
Aluminum	ppm	<b>1</b> 3	 	
Chromium	ppm	<b>  </b> <1	 	
Molybdenum	ppm	6	 	
Nickel	ppm	<b></b> <1	 	
Titanium	ppm	0	 	
Silver	ppm	<b>  </b> <1	 	
Manganese	ppm	<b>1</b>	 	
Vanadium	ppm	0	 	

### ADDITIVES

Calcium	ppm	2357	 	
Magnesium	ppm	<b>170</b>	 	
Zinc	ppm	<b>1411</b>	 	
Phosphorus	ppm	<b>1206</b>	 	
Barium	ppm	0	 	
Boron	ppm	276	 	

#### W J Clark Inc

4517 Dunning Road NORFOLK, VA US 23518 Contact: WALTER CLARK ychtfixer@aol.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:
 VP151520

 Unique No:
 10672647

 Signed:
 Don Baldridge

 Report Date:
 03 Oct 2023

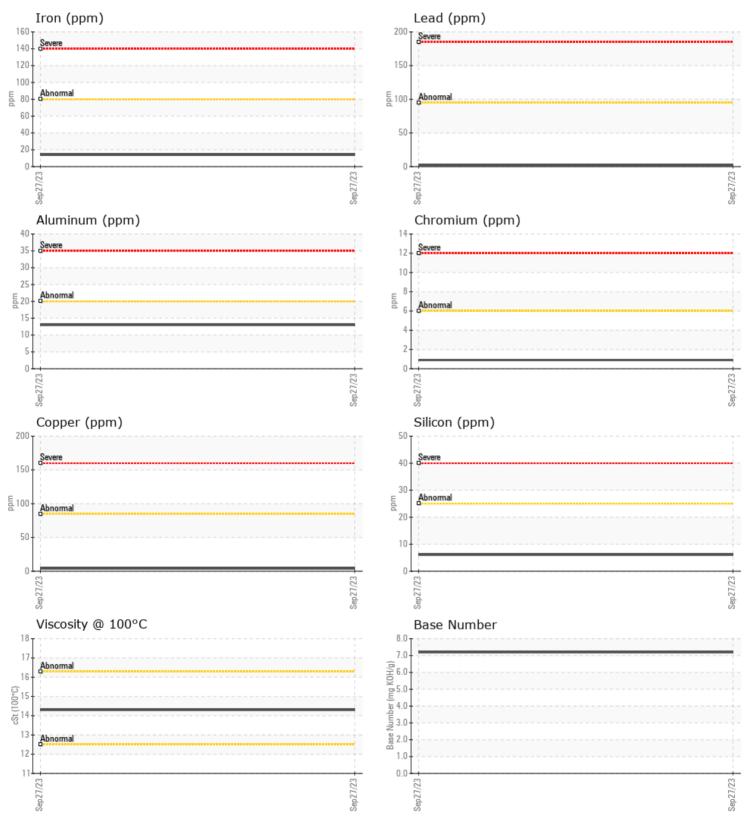
Contact/Location: WALTER CLARK - VP151520



# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP151520 [WUSCAR] 05966096 (Generated: 10/05/2023 03:27:41) Rev: 1

Contact/Location: WALTER CLARK - VP151520