



## RANDY JEFFERY 42287 VOLVO PENTA 7008435837 - PORT DIESEL ENGINE

Sample No: VPA043108

**Oil Type:** VOLVO PENTA SAE 15W40

Base Number (BN) mg KOH/g					
Sample Date   26 Jan 2023   03 Nov 2021	SAMPLE INFORMAT	TION			
Sample Date   26 Jan 2023   03 Nov 2021	Sample Number		VPA043108	VPA037671	 
Machine Hours	•				
Oil Changed         Changed         Changed	•				
Changed   Chan					 
Normal   N					
Dil CONDITION   DIL CONDITIO	_		_		
Visc @ 100°C			ATTENTION	NORWAL	
Base Number (BN) mg KOH/g	OIL CONDITION				
CONTAMINATION	Visc @ 100°C	cSt	<b>13.7</b>	■13.8	 
Value	Base Number (BN)	mg KOH/g	<b>10.0</b>		 
Neg   Neg	Oxidation (PA)	%	59	55	 
Soot %   %   1   0.9       Nitration (PA)	CONTAMINATION				
Soot %   %   1   0.9       Nitration (PA)	Water	%	NEG	NEG	 
Nitration (PA) % 61 56 Sulfation (PA) % 57 56 Sulfation (PA) % 57 56 Sulfation (PA) % NEG NEG NEG Sulfation (PA) % NEG NEG NEG Sulfation (PA) % Sulfation (PA) % NEG NEG NEG Sulfation (PA) % Sulfation (PA) % NEG	Soot %				 
Sulfation (PA)					
Silicon   Silicon   Ppm   10   110	· ,				 
Fuel					 
Silicon ppm 10 10 10 Sodium ppm 110 10 10 Sodium ppm 110 10 10 Sodium ppm 110 10 10 10 10 110 110 110 110 110 11					 
Sodium					
WEAR METALS           Iron         ppm         20         18             Copper         ppm         91         82             Lead         ppm         0         <1	Sodium		_		 
Tron	Potassium		_		 
Tron	WEAR METALS				
Copper         ppm         91         82             Lead         ppm         0         <1		nnm	<b>20</b>	m 18	 
Lead					
Tin ppm 0 < 1				_	
Aluminum ppm 0 < 1 < < < < < < < < <					
Chromium ppm			_		
Molybdenum         ppm         63         63             Nickel         ppm         3         3             Titanium         ppm         0         <1					
Nickel         ppm         3             Titanium         ppm         0         <1					
Titanium ppm 0 < 1 < < < < < < < < <	-		_		 
Silver         ppm         0             Manganese         ppm         <1         <1             Vanadium         ppm         0         0             ADDITIVES           Calcium         ppm         1098         1146             Magnesium         ppm         982         1044             Zinc         ppm         1273         1292             Phosphorus         ppm         1048         1082             Barium         ppm         <1         0			_		 
Manganese         ppm         <1					
Vanadium         ppm         0         0             ADDITIVES           Calcium         ppm         1098         1146             Magnesium         ppm         982         1044             Zinc         ppm         1273         1292             Phosphorus         ppm         1048         1082             Barium         ppm         <1					
ADDITIVES  Calcium ppm 1098 1146  Magnesium ppm 982 1044  Zinc ppm 1273 1292  Phosphorus ppm 1048 1082  Barium ppm < <1 0 0	-				 
Calcium         ppm         1098         1146             Magnesium         ppm         982         1044             Zinc         ppm         1273         1292             Phosphorus         ppm         1048         1082             Barium         ppm         <1		ррпп	U	U	 
Magnesium         ppm         982         1044             Zinc         ppm         1273         1292             Phosphorus         ppm         1048         1082             Barium         ppm         <1	ADDITIVES				
Magnesium         ppm         982         1044             Zinc         ppm         1273         1292             Phosphorus         ppm         1048         1082             Barium         ppm         <1	Calcium	ppm	<b>1098</b>	<b>1146</b>	 
Zinc       ppm       1273       1292           Phosphorus       ppm       1048       1082           Barium       ppm       <1	Magnesium		■982	1044	 
Phosphorus         ppm         1048         1082             Barium         ppm          1         0	Zinc		<b>1273</b>	<b>1292</b>	 
Barium ppm <b>■ &lt;1</b> ■ 0	Phosphorus				 
	Barium				 
	Boron				 

## **COASTAL CAROLINA YACHT SALES**

145 LOCKWOOD BLVD CHARLESTON, SC US 29403 Contact: STEVE VASAS steve@ccyachtsales.com T: F:

## Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other 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:VP568144Unique No:10322169Signed:Don BaldridgeReport Date:04 Feb 2023

## **OIL ANALYSIS REPORT**



