## **OIL ANALYSIS REPORT**

### BOB FARRIS 505661 VOLVO PENTA A329319 - PORT DIESEL ENGINE

Sample No: VPA059433

Oil Type: VOLVO PENTA SAE 15W40

#### SAMPLE INFORMATION

Sample Number		VPA059433	VPA042746	 
Sample Date		01 Dec 2023	13 Dec 2022	 
Machine Hours		545	508	 
Oil Hours		0	0	 
Oil Changed		Changed	Changed	 
Sample Status		NORMAL	NORMAL	 
OIL CONDITION				
Visc @ 100°C	cSt	13.8	13.4	 
Base Number (BN)	mg KOH/g	9.8	11.2	 
Oxidation (PA)	%	53	60	 
	70		00	 
CONTAMINATION				
Water	%	NEG	NEG	 
Soot %	%	0.2	0.3	 
Nitration (PA)	%	43	53	 
Sulfation (PA)	%	49	56	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	<1.0	 
Silicon	ppm	∎3	3	 
Sodium	ppm	0	0	 
Potassium	ppm	<b>1</b>	1	 
Fotassium	ppm			 
WEAR METALS				
Iron	ppm	<b>1</b> 0	13	 
Copper	ppm	3	4	 
Lead	ppm	0	< 1	 
Tin	ppm	0	<b></b> <1	 
Aluminum	ppm	<b>1</b>	<b>1</b>	 
Chromium	ppm	<b>  </b> <1	<1	 
Molybdenum	ppm	57	57	 
Nickel	ppm	0	0	 
Titanium	ppm	0	0	 
Silver	ppm	0	1	 
Manganese	ppm	0	<1	 
Vanadium	ppm	0	0	 
ADDITIVES				
Calcium	ppm	<b>1007</b>	1032	 
Magnesium	ppm	882	872	 
Zinc	ppm	<b>1126</b>	1152	 
Phosphorus	ppm	908	977	 
Barium	ppm	2	0	 
Boron	ppm	4	2	 

Depot:

24400 Jefferson Ave. SAINT CLAIR SHORES, MI US 48080 Contact: DENNIS BUTT dbutt@jbys.com T: (866)490-5297 F:

Jefferson Beach Yacht Sales Inc

#### 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.

Don Baldridge

07 Dec 2023

VP297371

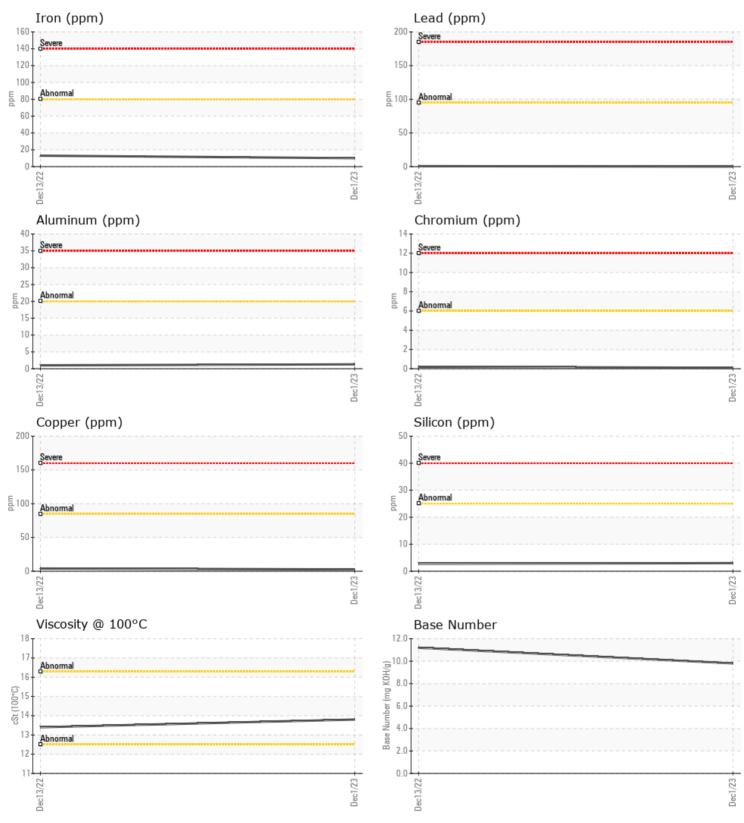
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#### GRAPHS



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