



DAVID DEMARIA DIIW VOLVO PENTA 2006006859 - PORT DIESEL ENGINE

Sample No: VPA059178

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMAT	TION			
Sample Number		VPA059178	VPA048210	
Sample Date		08 Feb 2024	08 Mar 2022	
Machine Hours		1532	1444	
Oil Hours		0	0	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	NORMAL	
OIL CONDITION				
Visc @ 100°C	cSt	13.5	■13.8	
Base Number (BN)	mg KOH/g	■9.7	■ 10.6	
Oxidation (PA)	%	62	70	
CONTAMINATION				
Water	%	NEG	NEG	
Soot %	%	NEG ■0.1	□ 0.2	
Nitration (PA)	%	56	68	
Sulfation (PA)	%	53	60	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon		■6	6	
Sodium	ppm	■0	1	
Potassium	ppm	■0	2	
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WEAR METALS				
Iron	ppm	13	1 9	
Copper	ppm	■ 3	5	
Lead	ppm	0	1	
Tin	ppm	■<1	- <1	
Aluminum	ppm	1	3	
Chromium	ppm	■0	< 1	
Molybdenum	ppm	■ 57	■59	
Nickel	ppm	0	0	
Titanium	ppm	■ 0	0	
Silver	ppm	0	0	
Manganese	ppm	■ <1	- <1	
Vanadium	ppm	0	<1	
ADDITIVES				
Calcium	ppm	1075	1 425	
Magnesium	ppm	927	970	
Zinc	ppm	1248	1496	
Phosphorus	ppm	1047	□1242	
Barium	ppm	■0	□0	
Boron	ppm	1	2 4	

Endor Marine LLC - Coastal Marine - 152124 4300 11th Ave. NW SEATTLE, WA US 98107 Contact: WILLOW YANARELLA service@coastalmarineengine.com

T: (206)784-3703 F: (206)784-8823

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:VP794951Unique No:10925642Signed:Don BaldridgeReport Date:14 Mar 2024

OIL ANALYSIS REPORT



