



GREGORY KING SAM VOLVO PENTA A 1 1 7 9 9 00 - STARBOARD DIESEL ENGINE

Sample No: VPA059334

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMAT	TION			
Sample Number		VPA059334		
Sample Date		27 Nov 2023		
Machine Hours		127		
Oil Hours		127		
Oil Changed		Changed		
Sample Status		NORMAL		
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OIL CONDITION				
Visc @ 100°C	cSt	13.1		
Base Number (BN)	mg KOH/g	■9.1		
Oxidation (PA)	%	62		
CONTAMINATION				
CONTAMINATION				
Water	%	NEG		
Soot %	%	■0.3		
Nitration (PA)	%	48		
Sulfation (PA)	%	61		
Glycol	%	NEG		
Fuel	%	<1.0		
Silicon	ppm	10		
Sodium	ppm	10		
Potassium	ppm	■ 58		
WEAR METALS				
Iron	ppm	107		
Copper	ppm	32		
Lead	ppm	■0		
Tin	ppm	3		
Aluminum	ppm	■35		
Chromium	ppm	2		
Molybdenum	ppm	■ 55		
Nickel	ppm	0		
Titanium	ppm	0		
Silver	ppm	0		
Manganese	ppm	■11		
Vanadium	ppm	0		
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ADDITIVES				
Calcium	ppm	1762		
Magnesium	ppm	644		
Zinc	ppm	1062		
Phosphorus	ppm	■824		
Barium	ppm	0		
Boron	ppm	17		

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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:10777216Signed:Angela BorellaReport Date:08 Dec 2023

OIL ANALYSIS REPORT



