



JOE NIEMER 501985 VOLVO PENTA A401236 - PORT DIESEL ENGINE

Sample No: VPA056286

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMAT	TION			
Sample Number		VPA056286	 	
Sample Date		27 Jun 2023	 	
Machine Hours		450	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	14.0	 	
Base Number (BN)	mg KOH/g	■9.6	 	
Oxidation (PA)	%	67	 	
	70			
CONTAMINATION				
Soot %	%	0.1	 	
Nitration (PA)	%	59	 	
Sulfation (PA)	%	58	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	■4	 	
Sodium	ppm	2	 	
Potassium		■ <1	 	
rotassium	ppm			
WEAR METALS				
Iron	ppm	13	 	
Copper	ppm	2	 	
Lead	ppm	■0	 	
Tin	ppm	■0	 	
Aluminum	ppm	■2	 	
Chromium	ppm		 	
Molybdenum	ppm	67	 	
Nickel	ppm	<1	 	
Titanium		■<1	 	
Silver	ppm	0	 	
	ppm			
Manganese Vanadium	ppm	□ <1	 	
vanadium	ppm	U	 	
ADDITIVES				
Calcium	ppm	1267	 	
Magnesium	ppm	798	 	
Zinc	ppm	■952	 	
Phosphorus	ppm	792	 	
Barium	ppm	0	 	
Boron	ppm	197	 	
201011	PPIII			

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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:10549104Signed:Don BaldridgeReport Date:11 Jul 2023

OIL ANALYSIS REPORT



