



NADINE URCIUOLI BERT OTTERSON VOLVO PENTA A907497 - PORT DIESEL ENGINE

Sample No: VPA059966

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

SAMPLE INFORMAT	TION			
Sample Number		VPA059966	 	
Sample Date		13 Feb 2024	 	
Machine Hours		228	 	
Oil Hours		228	 	
Oil Changed		Changed	 	
_		NORMAL	 	
Sample Status		NORIVIAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.4	 	
Base Number (BN)	mg KOH/g	10.1	 	
Oxidation (PA)	%	58	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	NEG ■ 0.1	 	
Nitration (PA)	%	43	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	<1.0		
Silicon	ppm	■4	 	
Sodium	ppm	■ <1	 	
Potassium	ppm	■0	 	
T Otassiaiii	PPIII			
WEAR METALS				
Iron	ppm	5	 	
Copper	ppm	■ 3	 	
Lead	ppm	-<1	 	
Tin	ppm	■ <1	 	
Aluminum	ppm	■ <1	 	
Chromium	ppm	■ 0	 	
Molybdenum	ppm	55	 	
Nickel	ppm	■ 0	 	
Titanium	ppm	■ 0	 	
Silver	ppm	■ 0	 	
Manganese	ppm	■0	 	
Vanadium	ppm	0	 	
ADDITIDDA				
Calcium	ppm	1061	 	
Magnesium	ppm	■863	 	
Zinc	ppm	■1136	 	
Phosphorus	ppm	■976	 	
Barium	ppm	□0	 	
Boron	ppm	13	 	
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Helmuts Marine Service

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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 acceptable for the time in service.

Depot:VP152741Unique No:10886744Signed:Don BaldridgeReport Date:21 Feb 2024

OIL ANALYSIS REPORT



