

Report Id: VP794951 [WUSCAR] 06137202 (Generated: 04/09/2024 10:14:38) Rev: 1



502800 VOLVO PENTA D4-260 2004004570 - PORT DIESEL ENGINE

Sample No: VPA053219

Oil Type: VOLVO PENTA SAE 15W40

CAMBLE INCODMA	TION			
SAMPLE INFORMAT	IIUN			
Sample Number		VPA053219	VPA018609	
Sample Date		01 Apr 2024	21 Aug 2018	
Machine Hours		0	747	
Oil Hours		0	0	
Oil Changed		Not Changd	N/A	
Sample Status		NORMAL	NORMAL	
OIL CONDITION				
Visc @ 100°C	cSt	13.3	□14.29	
Base Number (BN)	mg KOH/g	10.5		
Oxidation (PA)	%	77	1 48	
CONTAMINATION				
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Water	%	NEG	NEG	
Soot %	%	■ 0.1	■ 0.1	
Nitration (PA)	%	63	4 9	
Sulfation (PA)	%	59	4 2	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	5	5	
Sodium	ppm	2	4	
Potassium	ppm	■ <1	■0	
WEAR METALS				
Iron	ppm	<u> </u>	□ 6	
Copper	ppm	■8	2	
Lead	ppm	2	<1	
Tin	ppm	0	0	
Aluminum		6	4	
Chromium	ppm	■ <1	= <1	
	ppm			
Molybdenum Nickel	ppm	■52	4 0	
	ppm	1	1	
Titanium	ppm	<1	2 0	
Silver	ppm	0	0	
Manganese	ppm	■0	 <1	
Vanadium	ppm	<1	0	
ADDITIVES				
Calcium	ppm	1491	■1190	
Magnesium	ppm	756	9 52	
Zinc	ppm	1142	□ 1053	
Phosphorus	ppm	952	■986	
Barium	ppm	■0	□0	
Boron	ppm	■37	2 5	
20.011	PP'''			

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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:VP794951Unique No:10956667Signed:Don BaldridgeReport Date:05 Apr 2024

OIL ANALYSIS REPORT



