



VOLVO PENTA 70112034710 - PORT DIESEL ENGINE

Sample No: VPA051866

Oil Type: CHEVRON DELO 400 MULTIGRADE 15W40

SAMPLE INFORMAT	TION				
Sample Number		VPA051866			
Sample Date		28 Aug 2023			
Machine Hours		190			
Oil Hours		190			
Oil Changed		Changed			
Sample Status		ABNORMAL			
		ADNORWAL	_	_	_
OIL CONDITION					
Visc @ 100°C	cSt	11.5			
Base Number (BN)	mg KOH/g	■8.8			
Oxidation (PA)	%	56			
CONTAMINATION					
CONTAMINATION					
Soot %	%	0.2			
Nitration (PA)	%	53			
Sulfation (PA)	%	52			
Glycol	%	NEG			
Fuel	%	△ 5.3			
Silicon	ppm	<u></u> 44			
Sodium	ppm	2			
Potassium	ppm	2			
WEAR METALS					
Iron	ppm	□ 9			
Copper	ppm	■ 67			
Lead	ppm	■ 2			
Tin	ppm				
Aluminum	ppm				
Chromium	ppm	<u> </u>			
Molybdenum	ppm	■65			
Nickel	ppm	■<1			
Titanium	ppm	□0			
Silver	ppm	■ <1			
Manganese	ppm	1			
Vanadium	ppm	0			
ADDITIVES					
		=1250			
Calcium	ppm	■ 1359			
Magnesium	ppm	■801 1272			
Zinc	ppm	1272			
Phosphorus	ppm	□ 1041			
Barium	ppm	0			
Boron	ppm	15			

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Diagnosis

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. 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:VP179089Unique No:10633946Signed:Don BaldridgeReport Date:08 Sep 2023

OIL ANALYSIS REPORT



