



PAUL STARNES VOLVO PENTA A684380 - PORT DIESEL ENGINE

Sample No: VPA062643

Oil Type: CHEVRON DELO 400 MULTIGRADE 15W40

SAMPLE INFORMAT	TION			
Sample Number		VPA062643	 	
Sample Date		04 Jun 2024	 	
Machine Hours		643	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	14.0	 	
Base Number (BN)	mg KOH/g	7.5	 	
Oxidation (PA)	%	51	 	
CONTAMINATION				
Water	0/.	NEG		
Soot %	%	NEG ■ 0.1	 	
Nitration (PA)	%	71	 	
Sulfation (PA)	%	49	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	■8	 	
Sodium	ppm	2	 	
Potassium	ppm	■8	 	
WEAD METALS				
WEAR METALS				
Iron	ppm	■30	 	
Copper	ppm	21	 	
Lead	ppm	4	 	
Tin	ppm	■ <1	 	
Aluminum	ppm	7	 	
Chromium	ppm	2	 	
Molybdenum	ppm	6	 	
Nickel	ppm	2	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	<1	 	
ADDITIVES				
Calcium	ppm	1508	 	
Magnesium	ppm	763	 	
Zinc	ppm	■895	 	
Phosphorus	ppm		 	
Barium	ppm	■0	 	
Boron	ppm	74	 	

North Harbor Diesel Inc

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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:VP179089Unique No:11074815Signed:Sean FeltonReport Date:14 Jun 2024

OIL ANALYSIS REPORT



