



VOLVO PENTA 1013745597 - PORT DIESEL ENGINE

Sample No: VPA020165

Oil Type: MOBIL DELVAC 1300 SUPER15W40

SAMPLE INFORMAT	TION			
Sample Number		VPA020165	 	
Sample Date		30 Jan 2024	 	
Machine Hours		7018	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL COMPLETION				
OIL CONDITION				
Visc @ 100°C	cSt	12.5	 	
Base Number (BN)	mg KOH/g	7.0	 	
Oxidation (PA)	%	63	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	■ 0.1	 	
Nitration (PA)	%	68	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	■ 4	 	
Sodium	ppm	19	 	
Potassium	ppm	■ <1	 	
WEAR METALS				
Iron	ppm	<u> </u>	 	
Copper	ppm	 1	 	
Lead	ppm	1	 	
Tin	ppm	 <1	 	
Aluminum	ppm	2	 	
Chromium	ppm	■ <1	 	
Molybdenum	ppm	116	 	
Nickel	ppm	■0	 	
Titanium	ppm	■ <1	 	
Silver	ppm	■ 0	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	1184	 	
Magnesium	ppm	617	 	
Zinc	ppm	■797	 	
Phosphorus	ppm	706	 	
Barium	ppm	■0	 	
Boron	ppm	97	 	

CAROLINA MARINE DIESEL

PO BOX 24159 HILTON HEAD, SC US 29925 Contact: KEVIN JACKSON cmdieselsc@gmail.com T: (843)830-9202 F: (843)681-9976

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:CARHILSCUnique No:10859436Signed:Don BaldridgeReport Date:04 Feb 2024

OIL ANALYSIS REPORT



