



MATT BIRCHBY 502362 VOLVO PENTA A762218 - STARBOARD DIESEL ENGINE

Sample No: VPA059629

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

SAMPLE INFORMAT	TION			
Sample Number		VPA059629	 	
Sample Date		20 Sep 2023	 	
Machine Hours		471	 	
Oil Hours		471	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	14.0	 	
Base Number (BN)	mg KOH/g	■ 9.0	 	
Oxidation (PA)	%	48	 	
CONTAMINATION				
Soot %	%	■ 0.1	 	
Nitration (PA)	%	58	 	
Sulfation (PA)	%	48	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon		< 1.0 ■ 5	 	
Sodium	ppm	2	 	
Potassium	ppm	2	 	
Potassium	ppm	<u></u>	 	
WEAR METALS				
Iron	ppm	■ 5	 	
Copper	ppm	1	 	
Lead	ppm	□0	 	
Tin	ppm	■0	 	
Aluminum	ppm	□0	 	
Chromium	ppm	■ <1	 	
Molybdenum	ppm	7	 	
Nickel	ppm	0	 	
Titanium		■0	 	
Silver	ppm	0	 	
	ppm	_		
Manganese	ppm	■ <1	 	
Vanadium	ppm	0	 	
ADDITIDDA				
Calcium	ppm	1331	 	
Magnesium	ppm	■838	 	
Zinc	ppm	911	 	
Phosphorus	ppm	765	 	
Barium	ppm	■0	 	
Boron	ppm	9 1	 	
201011	PPIII			

Endor Marine LLC - Coastal Marine - 152124

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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:
 VP794951

 Unique No:
 10660145

 Signed:
 Sean Felton

 Report Date:
 25 Sep 2023

OIL ANALYSIS REPORT



