



AMERICAN MARINE M772881 2006032405 - STARBOARD DIESEL ENGINE

Sample No: VPA051744

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMAT	TION			
		VD4054744		
Sample Number		VPA051744	 	
Sample Date		02 Oct 2023	 	
Machine Hours		521	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.3	 	
Base Number (BN)	mg KOH/g	■9.6	 	
Oxidation (PA)	%	75	 	
CONTAMINATION				
CONTAMINATION				
Soot %	%	0.2	 	
Nitration (PA)	%	61	 	
Sulfation (PA)	%	56	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	■7	 	
Sodium	ppm	□4	 	
Potassium	ppm	1	 	
Totassiam	ррпп			
WEAR METALS				
Iron	ppm	■29	 	
Copper	ppm	4	 	
Lead	ppm	□0	 	
Tin	ppm	■0	 	
Aluminum	ppm	■3	 	
Chromium	ppm	- <1	 	
Molybdenum		1 41	 	
Nickel	ppm		 	
Titanium	ppm	_		
	ppm	4		
Silver	ppm	0	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	1589	 	
Magnesium	ppm	■617	 	
Zinc	ppm	■ 1041	 	
Phosphorus	ppm	849	 	
Barium	ppm	■0	 	
Boron	ррт	43	 	
DOTOTI	PPIII			

INTERSTATE POWER SYSTEMS

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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:VP1103105Unique No:10683255Signed:Don BaldridgeReport Date:10 Oct 2023

OIL ANALYSIS REPORT



