



A265403 - STARBOARD DIESEL ENGINE

Sample No: VPA056305

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

SAMPLE INFORMAT	TION			
Sample Number		VPA056305	VPA056142	
Sample Date		11 Aug 2023	03 Jul 2023	
Machine Hours		1054	1026	
Oil Hours		0	0	
Oil Changed		N/A	N/A	
Sample Status		NORMAL	NORMAL	
OIL CONDITION				
Visc @ 100°C	cSt	14.3	□ 14.3	
Base Number (BN)	mg KOH/g	7.9	7.5	
Oxidation (PA)	%	55	53	
CAIdation (171)	70			
CONTAMINATION				
Soot %	%	0.5	■0.5	
Nitration (PA)	%	71	68	
Sulfation (PA)	%	52	50	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	6	7	
Sodium	ppm	■0	0	
Potassium	ppm	1	2	
rotassium	ррпп			
WEAR METALS				
Iron	ppm	20	1 9	
Copper	ppm	■8	7	
Lead	ppm	1	<1	
Tin	ppm	_ <1	<u> </u>	
Aluminum	ppm	4	4	
Chromium	ppm	■<1	- <1	
Molybdenum	ppm	■89	■84	
Nickel	ppm	2	2	
Titanium		0	0	
Silver	ppm	■ <1	<1	
	ppm	_	_	
Manganese Vanadium	ppm	■ <1	□ <1 0	
vanadium	ppm	U	U	
ADDITIVES				
Calcium	ppm	2051	1 926	
Magnesium	ppm	235	220	
Zinc	ppm	1240	□1190	
Phosphorus	ppm	1060	1025	
Barium	ppm	2	□ 0	
Boron	ppm	43	4 3	
20.011	77111			

ADVANCED DIESEL

1029 INDUSTRIAL BLVD, UNIT 2 NAPLES, FL US 34104 Contact: KEITH SPICER keith_advanceddiesel@yahoo.com T: (239)580-8731 F:

Diagnosis

No corrective action is recommended at this time. 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 suitable for further service.

Depot:VPADVNAPUnique No:10603038Signed:Doug BogartReport Date:14 Aug 2023

OIL ANALYSIS REPORT



