OIL ANALYSIS REPORT

D6-435 (S/N NOT GIVEN) - STARBOARD DIESEL ENGINE

Sample No: VPA042528

Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40

Sample Number		VPA042528	 	
Sample Date		18 Sep 2023	 	
Machine Hours		530	 	
Oil Hours		165	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.6	 	
Base Number (BN)	mg KOH/g	10.7	 	
Oxidation (PA)	%	64	 	
	70	••		
CONTAMINATION				
Soot %	%	0	 	
Nitration (PA)	%	65	 	
Sulfation (PA)	%	64	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	9	 	
Sodium	ppm	4	 	
Potassium	ppm	□ <1	 	
WEAR METALS				
Iron	ppm	29	 	
Copper	ppm	6	 	
Lead	ppm	2	 	
Tin	ppm	■ <1	 	
Aluminum	ppm	6	 	
Chromium	ppm	2	 	
Molybdenum	ppm	83	 	
Nickel	ppm	2	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	<1	 	
ADDITIVES				
Calcium	ppm	1774	 	
Magnesium	ppm	1251	 	
Zinc	ppm	1780	 	
Phosphorus	ppm	1463	 	
Barium	ppm	0	 	
Boron	ppm	6	 	

BRIAN BELMONTI

1645 TRAILHEAD TER HOLLYWOOD, FL US 33021 Contact: BRIAN BELMONTI brilrjet@yahoo.com T: (906)553-1314 F:

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 suitable for further service.

 Depot:
 VPBRIHOL

 Unique No:
 10656949

 Signed:
 Jonathan Hester

 Report Date:
 21 Sep 2023

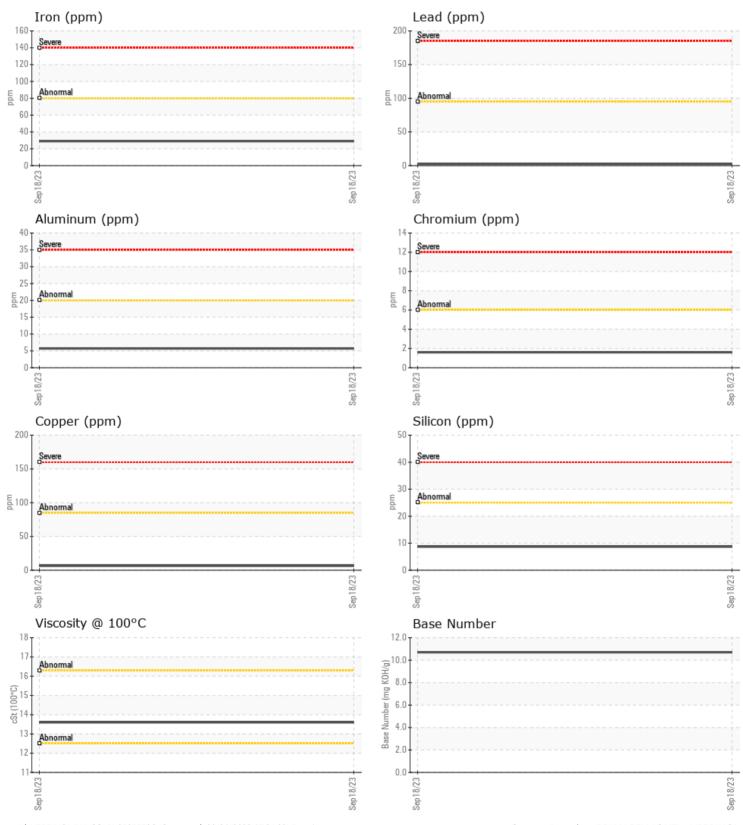
Contact/Location: BRIAN BELMONTI - VPBRIHOL



OIL ANALYSIS REPORT



GRAPHS



Report Id: VPBRIHOL [WUSCAR] 05955736 (Generated: 09/21/2023 17:34:33) Rev: 1

Contact/Location: BRIAN BELMONTI - VPBRIHOL