OIL ANALYSIS REPORT

BRAD HARMON TIARA BRAD HARMON (S/N NOT GIVEN) - STARBOARD DIESEL ENGINE

Sample No: VPA050830

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

SAMPLE INFURMAT					
Sample Number		VPA050830			
Sample Date		19 Nov 2023			
Machine Hours		0			
Oil Hours		0			
Oil Changed		N/A			
Sample Status		NORMAL			
Sumple Status				_	
OIL CONDITION					
Visc @ 100°C	cSt	13.7			
Base Number (BN)	mg KOH/g	9.7			
Oxidation (PA)	%	60			
CONTAMINATION					
Water	%	NEG			
Soot %	%	0.1			
Nitration (PA)	%	53			
Sulfation (PA)	%	53			
Glycol	%	NEG			
Fuel	%	<1.0			
Silicon	ppm	6			
Sodium	ppm	0			
Potassium	ppm	3			
WEAR METALS					
Iron	ppm	1 4			
Copper	ppm	5			
Lead	ppm	1 5			
Tin	ppm	□ <1			
Aluminum	ppm	7			
Chromium	ppm				
Molybdenum	ppm	5 1			
Nickel	ppm				
Titanium	ppm	■ <1			
Silver	ppm	0			
Manganese	ppm	0			
Vanadium	ppm	0			
	PP		_		
ADDITIVES					
Calcium	ppm	1217			
Magnesium	ppm	780			
Zinc	ppm	1215			
Phosphorus	ppm	1006			
Barium	ppm	0			
Boron	ppm	28			

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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 suitable for further service.

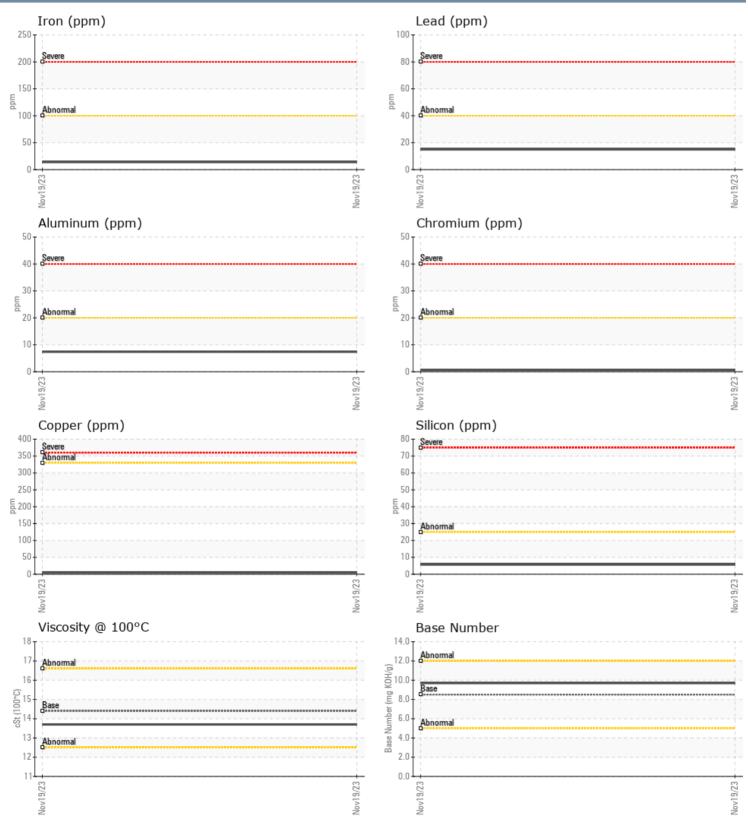
Depot: VP610610 Unique No: 10751239 Signed: Sean Felton Report Date: 21 Nov 2023



OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: Steven Stavracos - VP610610