OIL ANALYSIS REPORT

RIVERIA 43 530717 VOLVO PENTA A 1095222 - STARBOARD DIESEL ENGINE

Sample No: VPA058004

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number		VPA058004	 	
Sample Date		10 Nov 2023	 	
Machine Hours		276	 	
Oil Hours		25	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.1	 	
Base Number (BN)	mg KOH/g	10.3	 	
Oxidation (PA)	%	53	 	
CONTAMINATION				
Soot %	%	0.3	 	
Nitration (PA)	%	42	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	6	 	
Sodium	ppm	0	 	
Potassium	ppm	1	 	
WEAR METALS				

WEAR METALS

Iron	ppm	6	 	
Copper	ppm	2	 	
Lead	ppm	2	 	
Tin	ppm	□ <1	 	
Aluminum	ppm	2	 	
Chromium	ppm	□ <1	 	
Molybdenum	ppm	58	 	
Nickel	ppm	■ <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	□ <1	 	
Vanadium	ppm	0	 	

ADDITIVES

Calcium	ppm	1029	 	
Magnesium	ppm	982	 	
Zinc	ppm	1298	 	
Phosphorus	ppm	1094	 	
Barium	ppm	0	 	
Boron	ppm	4	 	

Marine International Diesels Inc.

3600 HACIENDA BLVD UNIT G DAVIE, FL US 33314 Contact: ASHANTI BURKE aburke@midiflorida.com T: (954)761-1086 F: (954)761-1186

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:
 VP694356

 Unique No:
 10741293

 Signed:
 Don Baldridge

 Report Date:
 16 Nov 2023

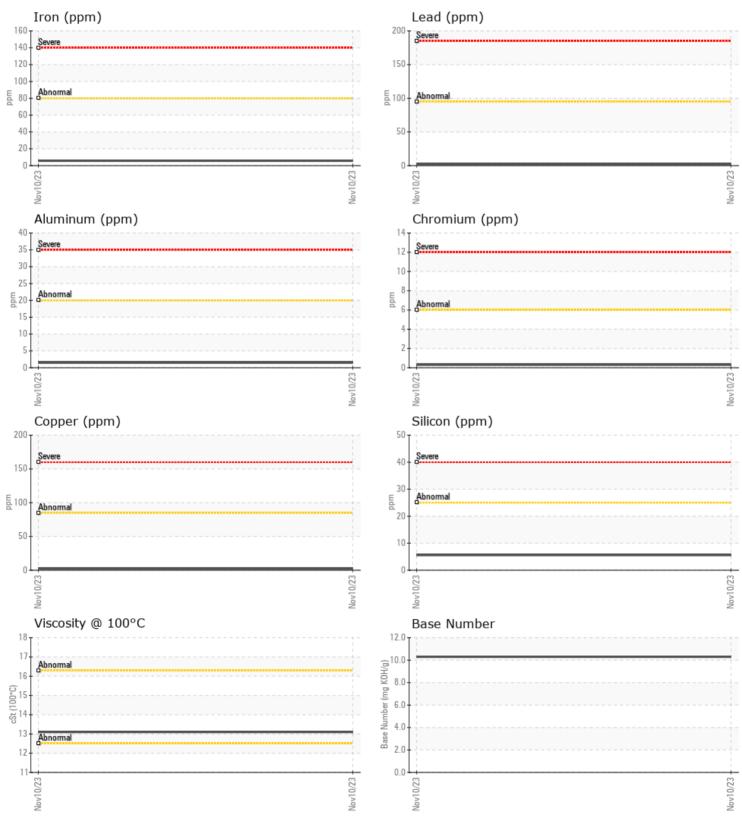
Contact/Location: ASHANTI BURKE - VP694356



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP694356 [WUSCAR] 06007531 (Generated: 11/16/2023 23:58:55) Rev: 1

Contact/Location: ASHANTI BURKE - VP694356