OIL ANALYSIS REPORT

DAMP 530448 VOLVO PENTA 2006039638 - STARBOARD DIESEL ENGINE

Sample No: VPA041435

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number		VPA041435	 	
Sample Date		13 Jul 2023	 	
Machine Hours		1247	 	
Oil Hours		35	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	12.9	 	
Base Number (BN)	mg KOH/g	8.6	 	
Oxidation (PA)	%	43	 	
CONTAMINATION				
Soot %	%	0.1	 	
Nitration (PA)	%	49	 	
Sulfation (PA)	%	47	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	5	 	
Sodium	ppm	■ <1	 	
Potassium	ppm	2	 	

WEAR METALS

Iron	ppm	3	 	
Copper	ppm	1	 	
Lead	ppm	■<1	 	
Tin	ppm	 <1	 	
Aluminum	ppm	 <1	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	38	 	
Nickel	ppm	■ <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	■<1	 	
Vanadium	ppm	0	 	

ADDITIVES

Calcium	ppm	1590	 	
Magnesium	ppm	459	 	
Zinc	ppm	987	 	
Phosphorus	ppm	846	 	
Barium	ppm	0	 	
Boron	ppm	64	 	

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

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:
 VP694356

 Unique No:
 10561111

 Signed:
 Doug Bogart

 Report Date:
 18 Jul 2023

Report Id: VP694356 [WUSCAR] 05899755 (Generated: 07/18/2023 09:22:04) Rev: 1

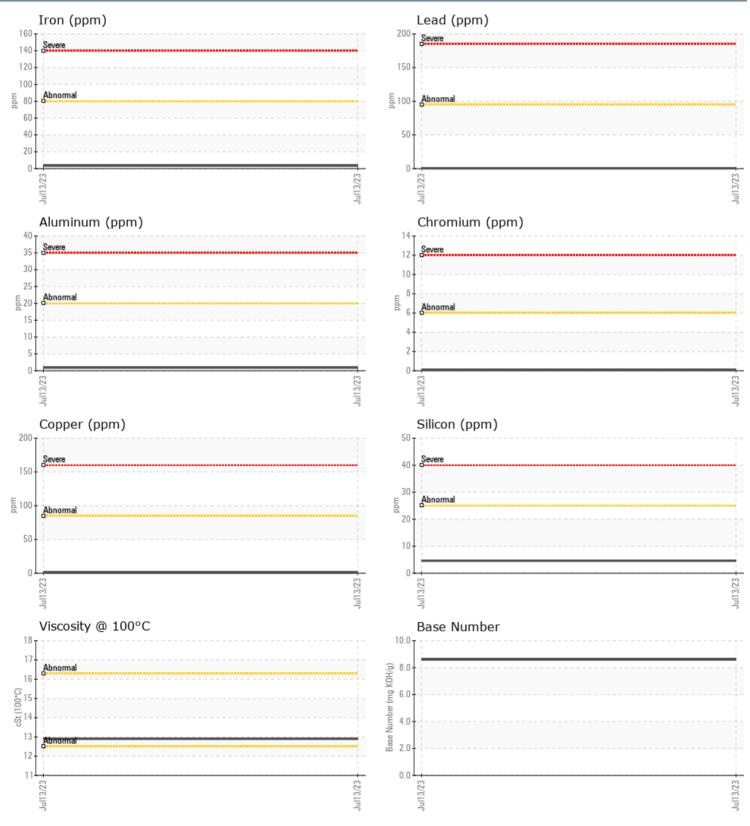
Contact/Location: ASHANTI BURKE - VP694356



OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: ASHANTI BURKE - VP694356