OIL ANALYSIS REPORT

CATALYST VOLVO PENTA 2006016833 - STARBOARD DIESEL ENGINE

Sample No: VPA049961

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number		VPA049961					
Sample Date		14 Sep 2023					
Machine Hours		0					
Oil Hours		0					
Oil Changed		Not Changd					
Sample Status		ABNORMAL					
OIL CONDITION							
Visc @ 100°C	cSt	15.3					
Base Number (BN)	mg KOH/g	7.8					
Oxidation (PA)	%	71					
CONTAMINATION							
Soot %	%	0.2					
Nitration (PA)	%	66					
Sulfation (PA)	%	57					
Glycol	%	NEG					
Fuel	%	<1.0					
Silicon	ppm	6					
Sodium	ppm	2					
Potassium	ppm	9					

WEAR METALS

Iron	ppm	69	 	
Copper	ppm	8	 	
Lead	ppm	4	 	
Tin	ppm	 <1	 	
Aluminum	ppm	A 37	 	
Chromium	ppm	2	 	
Molybdenum	ppm	 <1	 	
Nickel	ppm	 <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	 <1	 	
Vanadium	ppm	0	 	

ADDITIVES

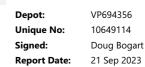
Calcium	ppm	2283	 	
Magnesium	ppm	25	 	
Zinc	ppm	1297	 	
Phosphorus	ppm	1015	 	
Barium	ppm	0	 	
Boron	ppm	183	 	

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

We recommend an early resample to monitor this condition. Please note that this is a corrected copy for diagnostic comment updates.The aluminum level is abnormal. All other 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.

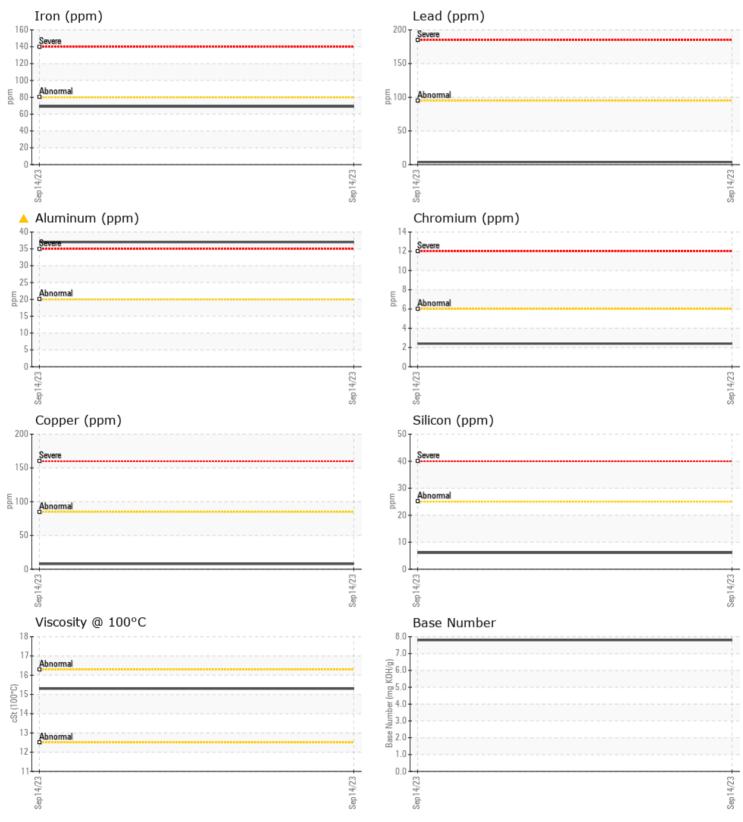


Contact/Location: ASHANTI BURKE - VP694356

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP694356 [WUSCAR] 05953155 (Generated: 09/21/2023 17:05:13) Rev: 2

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