# **OIL ANALYSIS REPORT**

# PEGASUS VOLVO PENTA 7008511679 - STARBOARD DIESEL ENGINE

Sample No: VPA049770

**Oil Type: DIESEL ENGINE OIL SAE 15W40** 

### SAMPLE INFORMATION

Sample Number		VPA049770	 	
Sample Date		28 Sep 2023	 	
Machine Hours		0	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.4	 	
Base Number (BN)		9.6	 	
Oxidation (PA)	%	51	 	
Oxidation (171)	70			
CONTAMINATION				
CONTAMINATION				
Soot %	%	0.2	 	
	% %	0.2 43	 	
Soot %			 	
Soot % Nitration (PA)	%	43	 	
Soot % Nitration (PA) Sulfation (PA)	% %	43 49	 	
Soot % Nitration (PA) Sulfation (PA) Glycol	% % %	43 49 NEG	 	
Soot % Nitration (PA) Sulfation (PA) Glycol Fuel	% % %	43 49 NEG <1.0	     	
Soot % Nitration (PA) Sulfation (PA) Glycol Fuel Silicon	% % % ppm	43 49 NEG <1.0	      	  

### WEAR METALS

Iron	ppm	3	 	
Copper	ppm	<b>10</b>	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	<b></b> <1	 	
Chromium	ppm	0	 	
Molybdenum	ppm	58	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

#### **ADDITIVES**

Calcium	ppm	<b>1021</b>	 	
Magnesium	ppm	<b>1013</b>	 	
Zinc	ppm	1323	 	
Phosphorus	ppm	<b>1081</b>	 	
Barium	ppm	0	 	
Boron	ppm	<b></b> <1	 	

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.

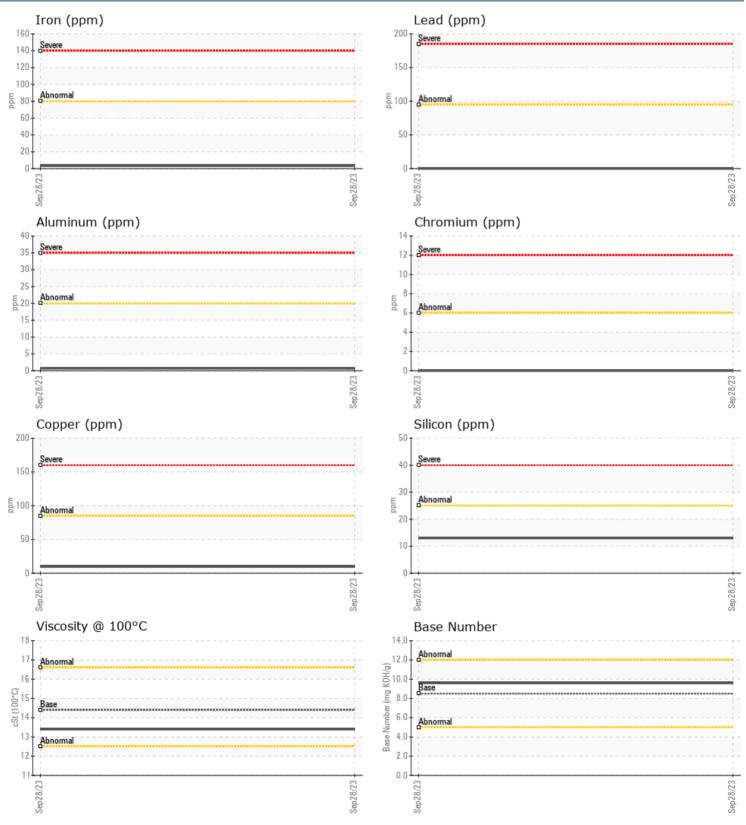
Depot: VP694356 Unique No: 10709757 Signed: Sean Felton Report Date: 25 Oct 2023



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#### GRAPHS



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Contact/Location: ASHANTI BURKE - VP694356