OIL ANALYSIS REPORT

SALVATORE PALUMBO 507216 VOLVO PENTA 7011417661 - STARBOARD DIESEL ENGINE

Sample No: VPA059600

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

JAMPLE INFURMA				
Sample Number		VPA059600	 	
Sample Date		10 Nov 2023	 	
Machine Hours		0	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		SEVERE	 	
OIL CONDITION				
Visc @ 100°C	cSt	10.1	 	
Base Number (BN)		8.8	 	
Oxidation (PA)	%	58	 	
	,,,			
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.3	 	
Nitration (PA)	%	55	 	
Sulfation (PA)	%	53	 	
Glycol	%	NEG	 	
Fuel	%	9.8	 	
Silicon	ppm	8	 	
Sodium	ppm	2	 	
Potassium	ppm	■ <1	 	
WEAR METALS				
Iron	ppm	5	 	
Copper	ppm	26	 	
Lead	ppm	■<1	 	
Tin	ppm	∎1	 	
Aluminum	ppm	2	 	
Chromium	ppm		 	
Molybdenum	ppm	47	 	
Nickel	ppm	1	 	
Titanium	ppm	0	 	
Silver	ppm	□<1	 	
Manganese	ppm	□<1	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	886	 	
Magnesium	ppm	824	 	

ppm	886			
ppm	824			
ppm	1059			
ppm	877			
ppm	0			
ppm	2			
	ppm ppm ppm ppm	ppm 824 ppm 1059 ppm 877 ppm 0	ppm 824 ppm 1059 ppm 877 ppm 0	ppm 824 ppm 1059 ppm 877 ppm 0



Seaborn Marina Inc. 37 Ocean Ave. 3AY SHORE, NY JS 11706 Contact: TOM parts@seabornmarina.com F: (631)665-0037

Diagnosis

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

 Depot:
 VP543511

 Unique No:
 10742688

 Signed:
 Sean Felton

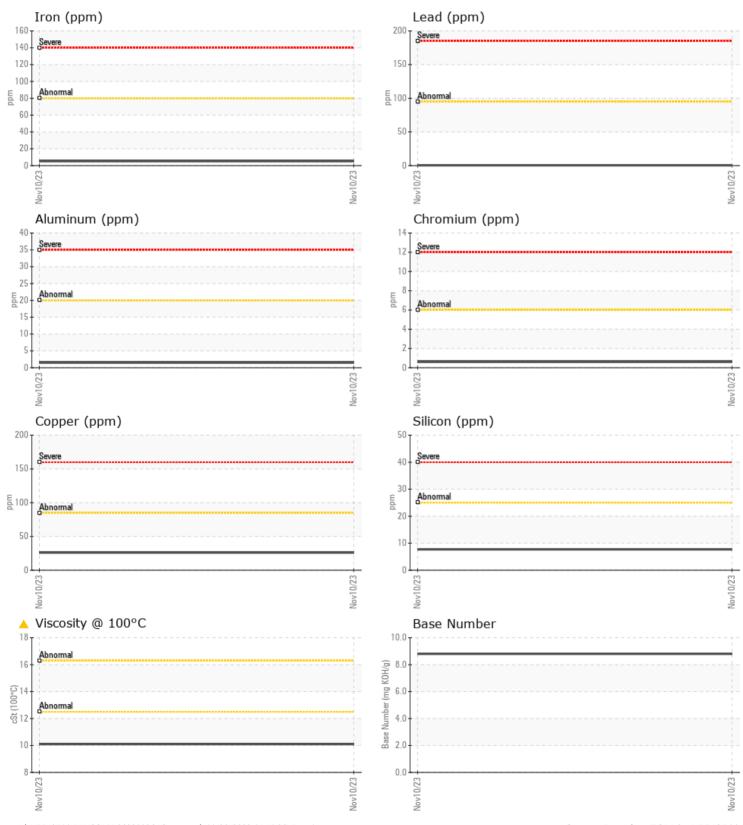
 Report Date:
 20 Nov 2023

Contact/Location: TOM ? - VP543511

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP543511 [WUSCAR] 06008926 (Generated: 11/20/2023 14:41:06) Rev: 1

Contact/Location: TOM ? - VP543511