## **OIL ANALYSIS REPORT**

## ST FRANCIS YACHT ST FRANCIS YACHT VOLVO PENTA 2204406822 - PORT DIESEL ENGINE

Sample No: VPA051678

**Oil Type:** DIESEL ENGINE OIL SAE 40

ample Number						
Sample Number		VPA051678 25 Mar 2024				Helmuts Marine Service
Sample Date Machine Hours		1500				619 Canal Street
Oil Hours		1500				SAN RAFAEL, CA
						US 94901-3545
Dil Changed		Not Changd NORMAL				Contact: NADINE URCIUOLI
Sample Status		NORIVIAL				SERVICE@HELMUTSMARINE.COM
OIL CONDITION						T: x: F: x:
/isc @ 100°C	cSt	14.4				г. х.
Base Number (BN)	mg KOH/g	8.5				
Oxidation (PA)	%	65				
CONTAMINATION						Resample at the next service interv to monitor.All component wear rat
						are normal. There is no indication of
Water	%	NEG				any contamination in the oil. The B
Soot %	%	0.1				result indicates that there is suitable
Nitration (PA)	%	54				alkalinity remaining in the oil. The condition of the oil is acceptable for
Sulfation (PA)	%	55				the time in service.
Glycol	%	NEG				the time in service.
Fuel	%	<1.0				
Silicon	ppm	<b>4</b>				
Sodium	ppm	<b>1</b>				
Potassium	ppm	4				
WEAR METALS						
ron	ppm	<b>1</b> 3				
Copper	ppm	2				Diagnosis
_ead	ppm	0				Diagriosis
Tin	ppm	0				
Aluminum	ppm	8				
Chromium	ppm	■<1				
Molybdenum	ppm	5				
Nickel	ppm	<b>1</b>				
Titanium	ppm	0				
Silver	ppm	0				
Manganese	ppm	0				
Vanadium	ppm	0				
ADDITIVES						
	10.10.00	- 2100				-
Calcium	ppm	2100				
Magnesium	ppm	155				
Zinc	ppm	1135				
Phosphorus	ppm	<b>1015</b>				
Barium	ppm	0				-
Boron	ppm	<b>163</b>				Depot: VP152741
						Unique No: 10952322

 Report Date:
 02 Apr 2024

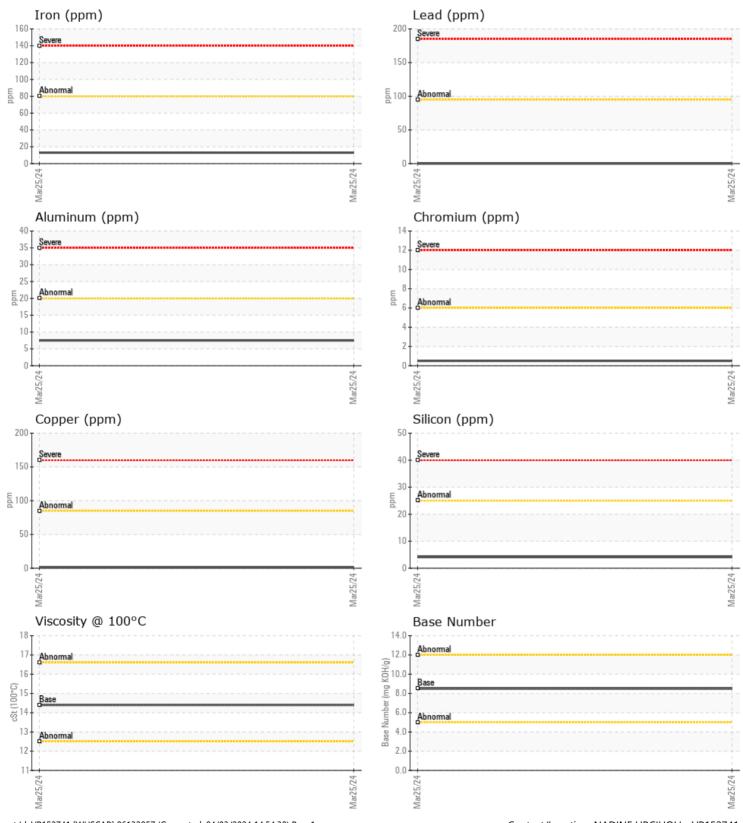
 Contact/Location: NADINE URCIUOLI - VP152741



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## GRAPHS



Report Id: VP152741 [WUSCAR] 06132857 (Generated: 04/03/2024 14:54:30) Rev: 1

Contact/Location: NADINE URCIUOLI - VP152741