



## PHILIP HASBROUCK VOLVO PENTA 3940022270 - PORT IPS

Report Id: VP288530 [WUSCAR] 05979990 (Generated: 10/18/2023 14:25:31) Rev: 1

**Sample No:** VPA055990

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMA	ATION			
Sample Number Sample Date Machine Hours Oil Hours Oil Changed Sample Status		VPA055990 13 Oct 2023 554 0 Not Changd NORMAL	VPA023749  16 Apr 2019  85  85  Not Changd  NORMAL	 
OIL CONDITION				
Visc @ 40°C	cSt	106	■97.6	 
CONTAMINATION				
Silicon Sodium Potassium	ppm ppm ppm	10 9 1	10 4 <	 
WEAR METALS				
PQ		□18	<b>□</b> 26	 
Iron	ppm	<b>■</b> 51	31	 
Copper Lead	ppm	9	6	 
Tin	ppm	0	0	 
Aluminum	ppm	<1	2	 
Chromium	ppm	<b>■&lt;1</b>	<b>□</b> <1	 
Molybdenum	ppm	□0	0	 
Nickel	ppm	<b>1</b>	□ <1	 
Titanium	ppm	0	<1	 
Silver	ppm	0	0	 
Manganese	ppm	<b>□</b> <1	<b>4</b>	 
Vanadium	ppm	0	0	 
ADDITIVES				
Calcium	ppm	<b>4</b>	<b>2</b> 4	 
Magnesium	ppm	<b>0</b>	<b>1</b> 039	 
Zinc	ppm	<b>5</b>	■13	 
Phosphorus	ppm	<b>1293</b>	□1636	 
Barium	ppm	<b>0</b>	<u> </u>	 
Boron	ppm	<b>292</b>	<b>548</b>	 

## MARINE DIESEL SERVICES INC

1711 WHITTIER AVE, SUITE B COSTA MESA, CA US 92627 Contact: BEN ALMAZAN marinedieselservices@outlook.com T: (949)612-8180 F: x:

## 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 condition of the oil is acceptable for the time in service.

Depot: VP288530 Unique No: 10697285 Signed: Don Baldridge Report Date: 18 Oct 2023

## **OIL ANALYSIS REPORT**



