## **OIL ANALYSIS REPORT**

## 3940027430 - STARBOARD IPS

Sample No:	VPA060970			
Oil Type:	VOLVO 70W90			

SAMPLE INFORM	ATION			
Sample Number		VPA060970	 	
Sample Date		24 Jan 2024	 	
Machine Hours		645	 	
Oil Hours		10	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 40°C	cSt	<b>105</b>	 	
CONTAMINATION				
Water	%	NEG	 	
Silicon	ppm	13	 	
Sodium	ppm	4	 	
Potassium	ppm	5	 	
WEAR METALS				
PQ		<b>1</b> 9	 	
Iron	ppm	<b>44</b>	 	
Copper	ppm	9	 	
Lead	ppm	1	 	
Tin	ppm	<1	 	
Aluminum	ppm	3	 	
Chromium	ppm	<b>1</b>	 	
Molybdenum	ppm	1	 	
Nickel	ppm	∎1	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	4	 	
Vanadium	ppm	<1	 	
ADDITIVES				

Calcium	ppm	12	 	
Magnesium	ppm	25	 	
Zinc	ppm	15	 	
Phosphorus	ppm	1436	 	
Barium	ppm	1	 	
Boron	maa	323	 	

#### CHARLES KIEHL

9581 27TH BAY ST NORFOLK, VA US 23518 Contact: CHARLES KIEHL cwkiehl@gmail.com T: F:

### Diagnosis

No corrective action is recommended at this time. 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.

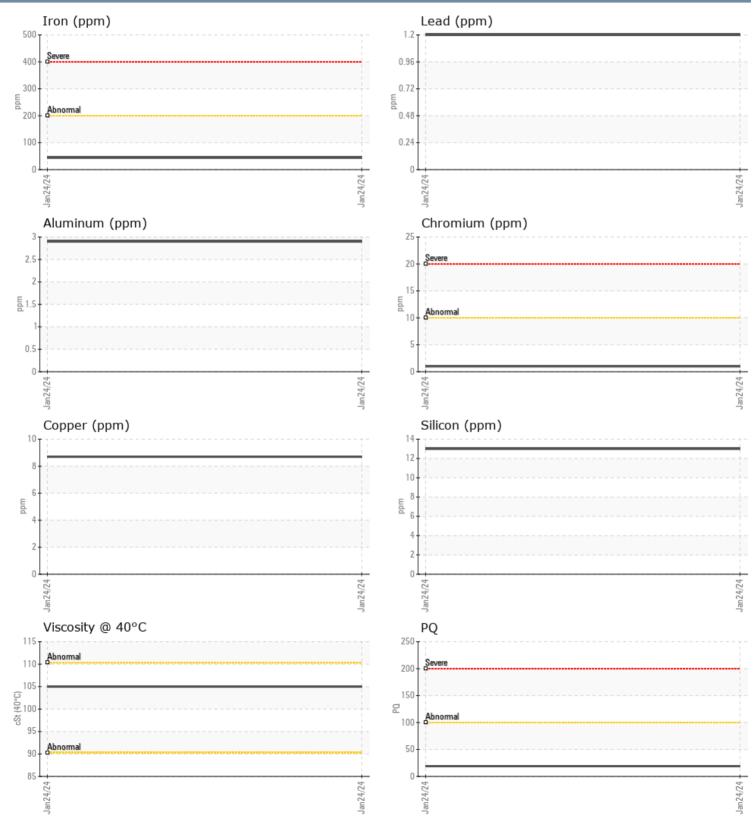
Depot:VPCHANORUnique No:10979090Signed:Sean FeltonReport Date:17 Apr 2024Contact/Location: CHARLES KIEHL - VPCHANOR



# **OIL ANALYSIS REPORT**



### GRAPHS



Report Id: VPCHANOR [WUSCAR] 06149012 (Generated: 04/17/2024 14:27:56) Rev: 1

Contact/Location: CHARLES KIEHL - VPCHANOR