OIL ANALYSIS REPORT



VOLVO PENTA 3940019649 - STARBOARD IPS

Sample No:	VPA056997
Oil Type:	NOT GIVEN

SAMPLE INFORMATION

Sample Number		VPA056997	 	
Sample Date		28 Nov 2023	 	
Machine Hours		679	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		ABNORMAL	 	
OIL CONDITION				
Visc @ 40°C	cSt	105	 	
CONTAMINATION				
Water	%	0.485	 	
Silicon		20	 	
Sodium	ppm	6 1	 	
Potassium	ppm	 <1	 	
rotassiulli	ppm		 	
WEAR METALS				
PQ		12	 	
Iron	ppm	<u> </u>	 	
Copper	ppm	33	 	
Lead	ppm	0	 	
Tin	ppm	<1	 	
Aluminum	ppm	3	 	
Chromium	ppm	2	 	
Molybdenum	ppm	0	 	
Nickel	ppm	2	 	
Titanium	ppm	0	 	
Silver	ppm	<1	 	
Manganese	ppm	4	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	nom	13	 	
	ppm	13	 	
Magnesium Zinc	ppm	49	 	
	ppm	49 1430		
Phosphorus	ppm		 	
Barium	ppm	0 237		
Boron	ppm	257	 	

JOHNSTONS MARINE SERVICES

1850 NW 15th AVENUE, SUITE 205 POMPANO BEACh, FL US 33069 Contact: NEIL JOHNSTON neil@1jms.com T: (984)448-0813 F·

Diagnosis

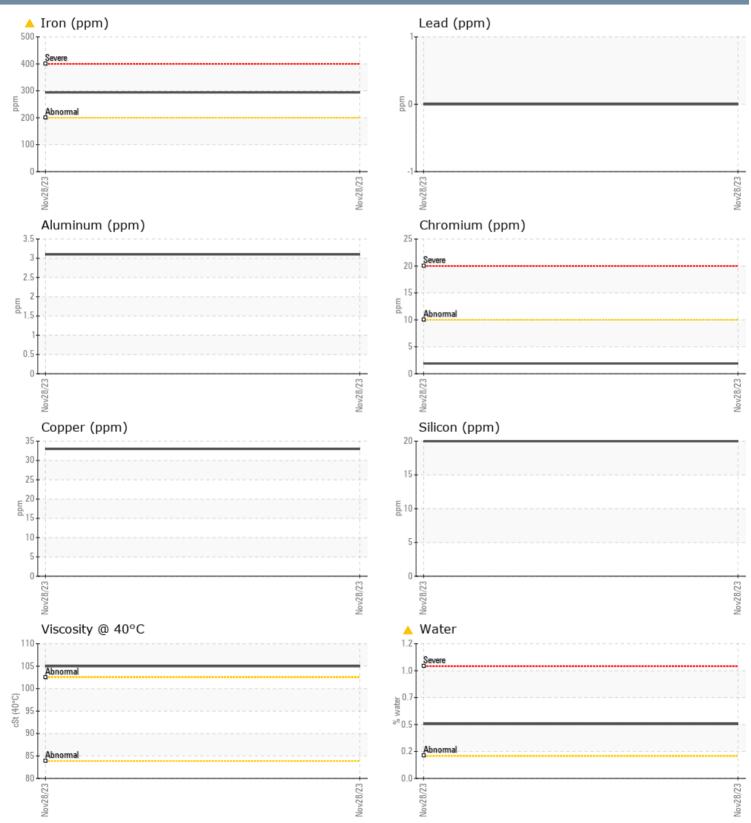
We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.The iron level is abnormal. All other component wear rates are normal. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot:	VPJOHDEE
Unique No:	10766681
Signed:	Angela Borella
Report Date:	04 Dec 2023

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Report Id: VPJOHDEE [WUSCAR] 06022181 (Generated: 12/04/2023 14:12:11) Rev: 1

Contact/Location: NEIL JOHNSTON - VPJOHDEE