## **OIL ANALYSIS REPORT**



### VOLVO PENTA 3940024060 - STARBOARD IPS

Sample No: VPA059245

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORM	ATION			
Sample Number		VPA059245	VPA025188	 
Sample Date		16 Nov 2023	01 Apr 2021	 
Machine Hours		672	460	 
Oil Hours		0	0	 
Oil Changed		Not Changd	Not Changd	 
Sample Status		NORMAL	NORMAL	 
OIL CONDITION				
Visc @ 40°C	cSt	<b>105.1</b>	106	 
CONTAMINATION	I			
Silicon	ppm	14	15	 
Sodium	ppm	2	4	 
Potassium	ppm	0	0	 
WEAR METALS				
PQ		<b>1</b> 0	26	 
Iron	ppm	37	84	 
Copper	ppm	5	9	 
Lead	ppm	0	<1	 
Tin	ppm	<1	0	 
Aluminum	ppm	0	1	 
Chromium	ppm	□<1	<1	 
Molybdenum	ppm	0	<1	 
Nickel	ppm	<b>  </b> <1	2	 
Titanium	ppm	0	0	 
Silver	ppm	0	0	 
Manganese	ppm		2	 
Vanadium	ppm	0	0	 
ADDITIVES				
Calcium	ppm	<b>18</b>	24	 
Magnesium	ppm	<b>1</b>	12	 
Zinc	ppm	0	14	 
Phosphorus	ppm	1376	1310	 
Barium	ppm	0	0	 
Boron	ppm	295	278	 

#### SMART DIESEL SERVICE

102 NW 133RD AVE, UNIT 103 PLANTATION, FL US 33325 Contact: ANDRES GARMENDIA smartdieselservice@gmail.com T: (954)258-8100 F:

### Diagnosis

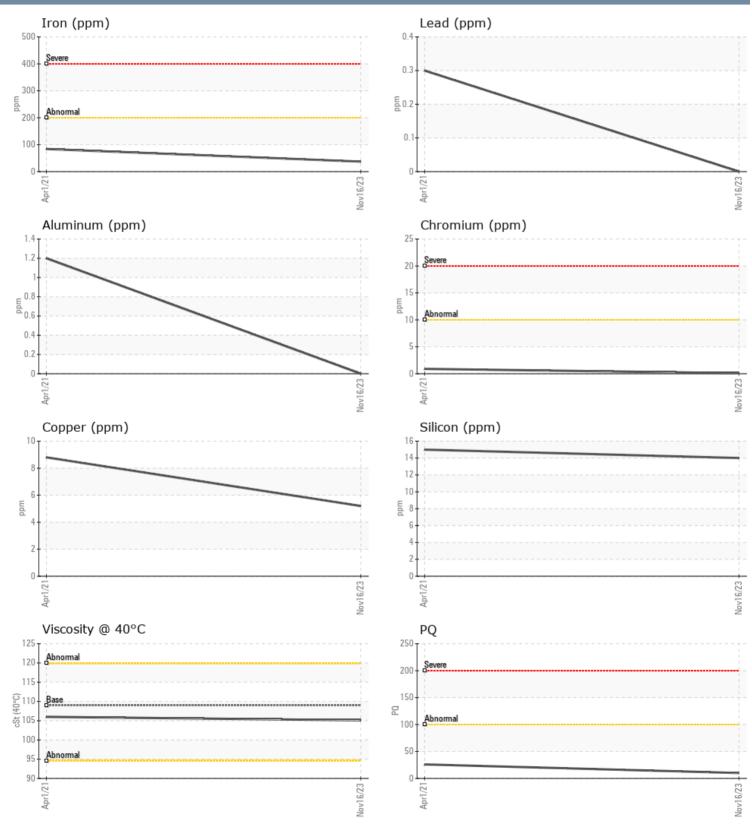
No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:	VPSMAPLA		
Unique No:	10750355		
Signed:	Doug Bogart		
Report Date:	17 Nov 2023		

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VPSMAPLA [WUSCAR] 06011211 (Generated: 11/17/2023 17:04:48) Rev: 1

Contact/Location: ANDRES GARMENDIA - VPSMAPLA