## **OIL ANALYSIS REPORT**

### **VOLVO PENTA**

### VOLVO PENTA 3194012845 - STARBOARD IPS

**Sample No:** VPA06140465

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION						
Sample Number VPA0614046						-
Sample Date		04 Apr 2024				FDDA FT PIERCE - POWER CENTER
Machine Hours		274				
Oil Hours		0				FORT PIERCE, FL
Oil Changed		N/A				US
Sample Status		ABNORMAL				Contact: KYLE GRASER
Sample Status		ADNORMAL				k.graser@kirbycorp.com
OIL CONDITION						T: F:
Visc @ 40°C	cSt	<b>106.2</b>				
CONTAMINATIO	N					Diagnosis
Water % 🔺 0.238						We advise that you check for the
Silicon		13				source of water entry. We recommend that you drain the oil from the component if this has not
Sodium	ppm					
	ppm	6				
Potassium	ppm	<b>4</b>				already been done. Resample at the next service interval to monitor.All
WEAR METALS						component wear rates are normal. Appearance is unacceptable. There is
PQ 15					a light concentration of water present	
Iron	ppm	<b>77</b>				in the oil. The oil is no longer serviceable due to the presence of contaminants.
Copper	ppm	13				
Lead	ppm	1				
Tin	ppm	<1				
Aluminum	ppm	2				
Chromium	ppm	0				
Molybdenum	ppm	0				
Nickel	ppm	2				
Titanium	ppm	0				
Silver	ppm	<1				
Manganese	ppm	2				
Vanadium	ppm	<1				
ADDITIVES						
Calcium	ppm	36				-
Magnesium	ppm	6				
Zinc	ppm	<b>4</b> 9				
Phosphorus	ppm	<b>1563</b>				
Barium	ppm	0				
Boron	ppm	289				

 Depot:
 VP208659

 Unique No:
 10965273

 Signed:
 Doug Bogart

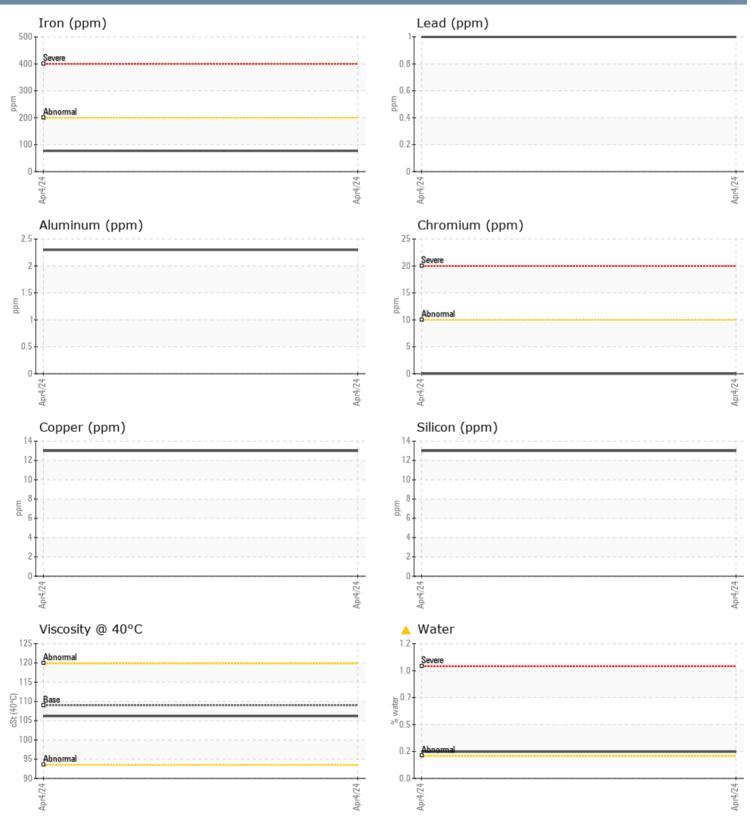
 Report Date:
 05 Apr 2024

 Contact/Location: KYLE GRASER - VP208659

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#### GRAPHS



Report Id: VP208659 [WUSCAR] 06140465 (Generated: 04/05/2024 17:02:20) Rev: 2

Contact/Location: KYLE GRASER - VP208659