## **OIL ANALYSIS REPORT**

### VOLVO PENTA

### RICK PAUL KOHLER 2168222 - GENSET

Sample No: VPA060227

Oil Type: DIESEL ENGINE OIL SAE 15W40

Sample Number		VPA060227	 	
Sample Date		16 Nov 2023	 	
Machine Hours		657	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	14.4	 	
Base Number (BN)	mg KOH/g	8.7	 	
Oxidation (PA)	%	72	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	51	 	
Sulfation (PA)	%	58	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	<b>1</b> 1	 	
Sodium	ppm	3	 	
Potassium	ppm	6	 	
WEAR METALS				
Iron	ppm	6	 	
Copper	ppm	<b>  </b> <1	 	
Lead	ppm	<b>  </b> <1	 	
Tin	ppm	□<1	 	
Aluminum	ppm	2	 	
Chromium	ppm	<b>□</b> <1	 	
Molybdenum	ppm	<b>12</b>	 	
Nickel	ppm	0	 	
Titanium	ppm	<b>  </b> <1	 	
Silver	ppm	0	 	
Manganese	ppm	<b></b> <1	 	
Vanadium	ppm	<1	 	
ADDITIVES				
Calcium	ppm	<b>1912</b>	 	
Magnesium	ppm	<b>177</b>	 	
Zinc	ppm	1128	 	
Phosphorus	ppm	945	 	
Barium	ppm	0	 	
Boron	ppm	<b>157</b>	 	

#### FLORIDA DETROIT DIESEL - 531006 - 1125774

1128 CHESTNUT AVE PANAMA CITY, FL US 32401 Contact: RICHARD ROBERTS ri.roberts@kirbycorp.com T: (850)763-7656 F:

#### 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VPFLOPAN

 Unique No:
 10752955

 Signed:
 Don Baldridge

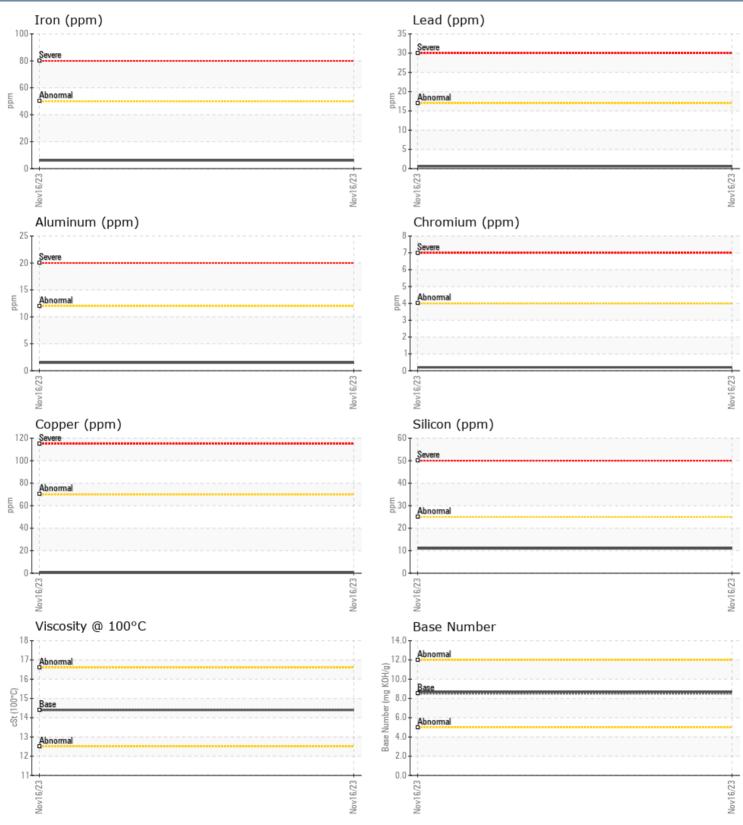
 Report Date:
 23 Nov 2023

Contact/Location: RICHARD ROBERTS - VPFLOPAN

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VPFLOPAN [WUSCAR] 06013811 (Generated: 11/23/2023 12:52:41) Rev: 1

Contact/Location: RICHARD ROBERTS - VPFLOPAN