OIL ANALYSIS REPORT

POWERSECURE VOLVO PENTA VP-369470 - INDUSTRIAL - GENSET

Sample No: VPA049649

Oil Type: DIESEL ENGINE OIL SAE 30

SAMPLE INFORMATION Sample Number VPA049649 18 Jul 2023 Sample Date Machine Hours 50 50 **Oil Hours** Oil Changed Not Changd ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 11.8 Base Number (BN) mg KOH/g 7.6 Oxidation (PA) % 48 CONTAMINATION Soot % % 0.1 % Nitration (PA) 61 Sulfation (PA) % 45 % NEG Glycol Fuel % Silicon ppm 11 Sodium **||** <1 ppm Potassium 2 ppm WEAR METALS

Iron	ppm	∎1	 	
Copper	ppm	8	 	
Lead	ppm	■ <1	 	
Tin	ppm	■<1	 	
Aluminum	ppm	■ <1	 	
Chromium	ppm	0	 	
Molybdenum	ppm	72	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	 <1	 	
Vanadium	ppm	<1	 	

ADDITIVES

Calcium	ppm	1888	 	
Magnesium	ppm	104	 	
Zinc	ppm	1089	 	
Phosphorus	ppm	901	 	
Barium	ppm	0	 	
Boron	ppm	70	 	

VOLVO PENTA - CORPORATE

1300 VOLVO PENTA DRIVE CHESAPEAKE, VA US 23320 Contact: Aaron Davis aaron.davis@volvo.com T: F: (757)436-5150

Diagnosis

We advise that you check the fuel injection system. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

 Depot:
 VOLVOPENTA

 Unique No:
 10585775

 Signed:
 Jonathan Hester

 Report Date:
 04 Aug 2023

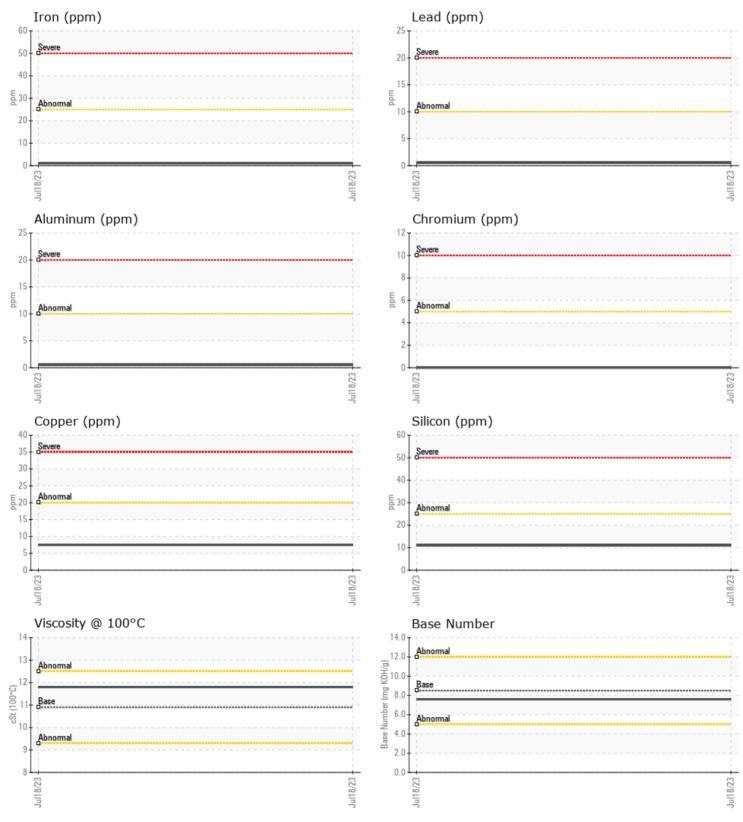
Contact/Location: Aaron Davis - VOLVOPENTA



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GRAPHS



Report Id: VOLVOPENTA [WUSCAR] 05913861 (Generated: 08/04/2023 10:21:51) Rev: 1

Contact/Location: Aaron Davis - VOLVOPENTA