



POWERSECURE VP-390174 - INDUSTRIAL - GENSET

Sample No: VPA049648

Oil Type: DIESEL ENGINE OIL SAE 30

SAMPLE INFORMAT	TION			
Sample Number		VPA049648	 	
Sample Date		18 Jul 2023	 	
Machine Hours		16 Jul 2023		
Oil Hours				
		14	 	
Oil Changed		Not Changd	 	
Sample Status		SEVERE	 	
OIL CONDITION				
Visc @ 100°C	cSt	<u> </u>	 	
Base Number (BN)	mg KOH/g	■8.8	 	
Oxidation (PA)	%	47	 	
CONTAMINATION				
Soot %	%	■0.1	 	
Nitration (PA)	%	41	 	
Sulfation (PA)	%	45	 	
Glycol	%	NEG	 	
Fuel	%	12.4	 	
Silicon	ppm	13	 	
Sodium	ppm	■<1	 	
Potassium	ppm	■<1	 	
WEAR METALS				
WEAK METAES				
Iron	ppm	■ <1	 	
Copper	ppm	7	 	
Lead	ppm	0	 	
Tin	ppm	■ <1	 	
Aluminum	ppm	0	 	
Chromium	ppm	■ 0	 	
Molybdenum	ppm	■ 53	 	
Nickel	ppm	■ 0	 	
Titanium	ppm	□0	 	
Silver	ppm	■0	 	
Manganese	ppm	■<1	 	
Vanadium	ppm	<1	 	
ADDITIVES				
		=40ES		
Calcium	ppm	1052	 	
Magnesium	ppm	■805	 	
Zinc	ppm	1114	 	
Phosphorus	ppm	910	 	
Barium	ppm	■0	 	
Boron	ppm	■ 9	 	

VOLVO PENTA - CORPORATE

1300 VOLVO PENTA DRIVE CHESAPEAKE, VA US 23320 Contact: Aaron Davis aaron.davis@volvo.com T·

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Diagnosis

We advise that you check the fuel injection system. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high 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: 10585774
Signed: Jonathan Hester
Report Date: 04 Aug 2023

OIL ANALYSIS REPORT



