

# OIL ANALYSIS REPORT

# VOLVO PENTA

## SWEET HOPE FISCHER PANDA SWEET HOPE (S/N NOT GIVEN) - GENSET

Sample No: VPA057036

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

### SAMPLE INFORMATION

Sample Number	VPA057036	VPA045330	---	---
Sample Date	14 Dec 2023	06 Mar 2023	---	---
Machine Hours	515	500	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	█ 12.8	---	---
Base Number (BN)	mg KOH/g	█ 9.8	█ 9.7	---	---
Oxidation (PA)	%	55	57	---	---

### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	40	48	---	---
Sulfation (PA)	%	51	53	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 16	█ 15	---	---
Sodium	ppm	█ <1	█ 2	---	---
Potassium	ppm	█ <1	█ 0	---	---

### WEAR METALS

Iron	ppm	█ <1	█ 4	---	---
Copper	ppm	█ <1	█ <1	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 1	█ <1	---	---
Chromium	ppm	█ 0	█ 0	---	---
Molybdenum	ppm	█ 53	█ 49	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---

### ADDITIVES

Calcium	ppm	█ 1013	█ 1072	---	---
Magnesium	ppm	█ 940	█ 885	---	---
Zinc	ppm	█ 1226	█ 1102	---	---
Phosphorus	ppm	█ 956	█ 907	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 6	█ 14	---	---

### Outstanding Marine

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### 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: VP153685  
Unique No: 10792801  
Signed: Don Baldrige  
Report Date: 20 Dec 2023

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## GRAPHS

