

# OIL ANALYSIS REPORT

# VOLVO PENTA

## NORTHERN LIGHTS 7732-57069 - GENSET

Sample No: VPA059574

Oil Type: DIESEL ENGINE OIL SAE 40

### SAMPLE INFORMATION

Sample Number	VPA059574	---	---	---
Sample Date	22 Jan 2024	---	---	---
Machine Hours	812	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ATTENTION	---	---	---

### OIL CONDITION

Visc @ 100°C	cSt	▲ 12.3	---	---	---
Base Number (BN)	mg KOH/g	■ 5.8	---	---	---
Oxidation (PA)	%	28	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	39	---	---	---
Sulfation (PA)	%	40	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.8	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 2	---	---	---

### WEAR METALS

Iron	ppm	■ 5	---	---	---
Copper	ppm	■ < 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ < 1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 39	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	■ 1208	---	---	---
Magnesium	ppm	■ 321	---	---	---
Zinc	ppm	■ 696	---	---	---
Phosphorus	ppm	■ 625	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 68	---	---	---

**Marine International Diesels Inc.**  
3600 HACIENDA BLVD UNIT G  
DAVIE, FL  
US 33314  
Contact: JEF BURKE  
midjef@gmail.com;canastasio@wearcheckusa.com  
T:  
F:

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot: VP694356  
Unique No: 10846507  
Signed: Don Baldrige  
Report Date: 26 Jan 2024

# OIL ANALYSIS REPORT



## GRAPHS

