

OIL ANALYSIS REPORT

VOLVO PENTA

CEVICHE CATERPILLAR CEVICHE (S/N NOT GIVEN) - PORT DIESEL ENGINE

Sample No: VPA021856
Oil Type: VOLVO 10W40

SAMPLE INFORMATION

Sample Number	VPA021856	---	---	---
Sample Date	30 Dec 2023	---	---	---
Machine Hours	2746	---	---	---
Oil Hours	211	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	▲ 12.4	---	---	---
Base Number (BN)	mg KOH/g	■ 9.5	---	---	---
Oxidation (PA)	%	■ 62	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	■ 52	---	---	---
Sulfation (PA)	%	■ 57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.0	---	---	---
Silicon	ppm	● 563	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 0	---	---	---

WEAR METALS

Iron	ppm	■ 4	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 50	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1199	---	---	---
Magnesium	ppm	■ 793	---	---	---
Zinc	ppm	■ 1203	---	---	---
Phosphorus	ppm	■ 926	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 8	---	---	---

Outstanding Marine
PO Box 274
GALENA, MD
US 21635
Contact: Ronda Bolinger
rlwb@verizon.net
T:
F:

Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. All component wear rates are normal. Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot: VP153685
Unique No: 10823681
Signed: Jonathan Hester
Report Date: 15 Jan 2024

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

