

OIL ANALYSIS REPORT

VOLVO PENTA

TOTAL AZINUT 56 VOLVO PENTA 7008462944 - PORT DIESEL ENGINE

Sample No: VPA046416

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

SAMPLE INFORMATION

Sample Number	VPA046416	---	---	---
Sample Date	22 Jun 2023	---	---	---
Machine Hours	454	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 15.5	---	---	---
Base Number (BN)	mg KOH/g	█ 18.1	---	---	---
Oxidation (PA)	%	█ 65	---	---	---

CONTAMINATION

Water	%	◆ 2.47	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	█ 98	---	---	---
Sulfation (PA)	%	█ 30	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	▲ 559	---	---	---
Potassium	ppm	█ 33	---	---	---

WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 5	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

Calcium	ppm	█ 2043	---	---	---
Magnesium	ppm	█ 181	---	---	---
Zinc	ppm	█ 1300	---	---	---
Phosphorus	ppm	█ 1053	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 200	---	---	---

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

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high concentration of water present in the oil. The high sodium (Na) level indicates the possible presence of salt water. Elemental level of sodium (Na) and/or boron (B) indicates a possible cooling water leak. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP694356
Unique No: 10536775
Signed: Jonathan Hester
Report Date: 03 Jul 2023

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

