

OIL ANALYSIS REPORT

VOLVO PENTA

MAX BACHARA CUMMINS/ONAN H160988410 - GENSET

Sample No: VPA059820

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA059820	VPA044510	---	---
Sample Date	29 Oct 2023	07 Nov 2022	---	---
Machine Hours	0	0	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.2	█ 14.0	---	---
Base Number (BN)	mg KOH/g	█ 9.4	█ 10.5	---	---
Oxidation (PA)	%	62	73	---	---

CONTAMINATION

Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	57	67	---	---
Sulfation (PA)	%	52	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 6	---	---
Sodium	ppm	█ 3	█ 3	---	---
Potassium	ppm	█ 0	█ 0	---	---

WEAR METALS

Iron	ppm	█ 1	█ 4	---	---
Copper	ppm	█ <1	█ <1	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ <1	█ <1	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 46	46	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	<1	---	---
Silver	ppm	█ 0	0	---	---
Manganese	ppm	█ <1	<1	---	---
Vanadium	ppm	█ 0	0	---	---

ADDITIVES

Calcium	ppm	█ 1233	1286	---	---
Magnesium	ppm	█ 634	735	---	---
Zinc	ppm	█ 1036	975	---	---
Phosphorus	ppm	█ 939	777	---	---
Barium	ppm	█ 4	0	---	---
Boron	ppm	█ 63	52	---	---

BAY MARINE

3 E MADISON ST
WAUKEGAN, IL
US 60085

Contact: BRENDAN COWHEY

brendan@baymarine.net

T: (847)336-2628

F:

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 suitable for further service.

Depot: VP1174336

Unique No: 10715302

Signed: Don Baldrige

Report Date: 31 Oct 2023

OIL ANALYSIS REPORT

**VOLVO
PENTA**

GRAPHS

