

OIL ANALYSIS REPORT

VOLVO PENTA

AL CUNNINGHAM 6388 VOLVO PENTA TAM40A 26097 - STARBOARD DIESEL ENGINE

Sample No: VPA060561
Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA060561	---	---	---
Sample Date	03 Nov 2023	---	---	---
Machine Hours	3279	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

Northwest Diesel Power
1325 ROEDER AVE SUITE 103
BELLINGHAM, WA
US 98225
Contact: BRANDON ROBERTSON
parts@nwdieselpower.com
T:
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 11.3	---	---	---
Base Number (BN)	mg KOH/g	█ 8.7	---	---	---
Oxidation (PA)	%	29	---	---	---

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	27	---	---	---
Sulfation (PA)	%	43	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.5	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Fuel content negligible. 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.

WEAR METALS

Iron	ppm	█ 38	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 12	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 53	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 3584	---	---	---
Magnesium	ppm	█ 23	---	---	---
Zinc	ppm	█ 1219	---	---	---
Phosphorus	ppm	█ 1085	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 510	---	---	---

Depot: VP759009
Unique No: 10729347
Signed: Don Baldrige
Report Date: 09 Nov 2023

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GRAPHS

