

OIL ANALYSIS REPORT

VOLVO PENTA

AL CUNNINGHAM 6388 NORTHERN LIGHTS TF21B 04221 - GENSET

Sample No: VPA060562

Oil Type: DIESEL ENGINE OIL SAE 30

SAMPLE INFORMATION

Sample Number	VPA060562	---	---	---
Sample Date	03 Nov 2023	---	---	---
Machine Hours	290	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 11.4	---	---	---
Base Number (BN)	mg KOH/g	█ 7.7	---	---	---
Oxidation (PA)	%	33	---	---	---

CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	33	---	---	---
Sulfation (PA)	%	44	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

Iron	ppm	█ 32	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 49	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 3405	---	---	---
Magnesium	ppm	█ 11	---	---	---
Zinc	ppm	█ 1172	---	---	---
Phosphorus	ppm	█ 1029	---	---	---
Barium	ppm	█ 5	---	---	---
Boron	ppm	499	---	---	---

Northwest Diesel Power

1325 ROEDER AVE SUITE 103

BELLINGHAM, WA

US 98225

Contact: BRANDON ROBERTSON

parts@nwdieselpower.com

T:

F:

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. 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 acceptable for the time in service.

Depot: VP759009

Unique No: 10729253

Signed: Sean Felton

Report Date: 09 Nov 2023

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

