

OIL ANALYSIS REPORT

VOLVO PENTA

FLO CABLE AND WIRELESS 14504 VOLVO PENTA 2160042456 - INDUSTRIAL (S/N 216DD42456) - GENSET

Sample No: VPA056565

Oil Type: VALVOLINE

SAMPLE INFORMATION

Sample Number	VPA056565	VPA038083	---	---
Sample Date	29 Aug 2023	09 Aug 2021	---	---
Machine Hours	562	540	---	---
Oil Hours	0	540	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	█ 13.6	---	---
Base Number (BN)	mg KOH/g	10.5	---	---	---
Oxidation (PA)	%	53	44	---	---

CONTAMINATION

Soot %	%	█ 0	█ 0.1	---	---
Nitration (PA)	%	38	42	---	---
Sulfation (PA)	%	51	50	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 4	---	---
Sodium	ppm	█ <1	█ <1	---	---
Potassium	ppm	█ 3	█ <1	---	---

WEAR METALS

Iron	ppm	█ 2	█ <1	---	---
Copper	ppm	█ <1	█ 2	---	---
Lead	ppm	█ <1	█ 2	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 0	█ <1	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	60	█ 34	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ <1	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	<1	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1304	█ 3286	---	---
Magnesium	ppm	998	█ 28	---	---
Zinc	ppm	1349	█ 1125	---	---
Phosphorus	ppm	1108	█ 915	---	---
Barium	ppm	0	█ 0	---	---
Boron	ppm	57	█ 364	---	---

PARTS & POWER

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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 acceptable for the time in service.

Depot: VP981217
Unique No: 10644243
Signed: Doug Bogart
Report Date: 18 Sep 2023

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GRAPHS

