

OIL ANALYSIS REPORT

VOLVO PENTA

E070062061 - STARBOARD GENSET

Sample No: VPA056998

Oil Type: MOBIL DELVAC 1 5W40

SAMPLE INFORMATION

Sample Number	VPA056998	VPA033204	---	---
Sample Date	20 Jul 2023	06 Apr 2022	---	---
Machine Hours	2872	2650	---	---
Oil Hours	0	100	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	ABNORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	█ 13.3	---	---
Base Number (BN)	mg KOH/g	█ 6.1	█ 7.2	---	---
Oxidation (PA)	%	█ 170	█ 191	---	---

CONTAMINATION

Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	█ 66	█ 61	---	---
Sulfation (PA)	%	█ 100	█ 111	---	---
Glycol	%	█ NEG	█ NEG	---	---
Fuel	%	█ <1.0	█ <1.0	---	---
Silicon	ppm	█ 3	█ 3	---	---
Sodium	ppm	█ 1	█ <1	---	---
Potassium	ppm	█ 0	█ 0	---	---

WEAR METALS

Iron	ppm	█ 5	█ 4	---	---
Copper	ppm	█ 0	█ <1	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 2	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 47	█ 44	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 0	█ 0	---	---
Vanadium	ppm	█ 0	█ 0	---	---

ADDITIVES

Calcium	ppm	█ 1059	█ 990	---	---
Magnesium	ppm	█ 939	█ 845	---	---
Zinc	ppm	█ 1367	█ 1107	---	---
Phosphorus	ppm	█ 1091	█ 941	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 132	█ 130	---	---

ADVANCED DIESEL

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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 suitable for further service.

Depot: VPADVNAV
Unique No: 10574157
Signed: Sean Felton
Report Date: 28 Jul 2023

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GRAPHS

