

OIL ANALYSIS REPORT

VOLVO PENTA

ASOLARE 3B219254 - STARBOARD GASOLINE ENGINE

Sample No: VPA052496
Oil Type: QUICKSILVER 25W40

SAMPLE INFORMATION

Sample Number	VPA052496	---	---	---
Sample Date	10 Jan 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 11.5	---	---	---
Base Number (BN)	mg KOH/g	█ 8.5	---	---	---
Oxidation (PA)	%	16	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0	---	---	---
Nitration (PA)	%	12	---	---	---
Sulfation (PA)	%	13	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	▲ 53	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 6	---	---	---

WEAR METALS

Iron	ppm	█ 20	---	---	---
Copper	ppm	█ 13	---	---	---
Lead	ppm	█ 5	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	▲ 12	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	41	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1656	---	---	---
Magnesium	ppm	11	---	---	---
Zinc	ppm	717	---	---	---
Phosphorus	ppm	614	---	---	---
Barium	ppm	14	---	---	---
Boron	ppm	121	---	---	---

The Talaria Company

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Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: VP592286
Unique No: 10884410
Signed: Sean Felton
Report Date: 19 Feb 2024

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GRAPHS

