

OIL ANALYSIS REPORT

VOLVO PENTA

DROVILLARD 705009 VOLVO PENTA 2071145373 - STARBOARD DIESEL ENGINE

Sample No: VPA048590

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA048590	---	---	---
Sample Date	18 Apr 2023	---	---	---
Machine Hours	3954	---	---	---
Oil Hours	75	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.9	---	---	---
Base Number (BN)	mg KOH/g	█ 5.8	---	---	---
Oxidation (PA)	%	54	---	---	---

CONTAMINATION

Soot %	%	█ 0.8	---	---	---
Nitration (PA)	%	57	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 6	---	---	---

WEAR METALS

Iron	ppm	█ 20	---	---	---
Copper	ppm	█ 25	---	---	---
Lead	ppm	█ 5	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 41	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	1633	---	---	---
Magnesium	ppm	█ 714	---	---	---
Zinc	ppm	█ 1373	---	---	---
Phosphorus	ppm	█ 1065	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 58	---	---	---

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Diagnosis

No corrective action is recommended at this time. 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: VP297371
Unique No: 10577331
Signed: Doug Bogart
Report Date: 31 Jul 2023

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GRAPHS

