

OIL ANALYSIS REPORT

VOLVO PENTA

PILOTS ASSOC BAG & RIVER DE VOLVO PENTA 1016109421 - STARBOARD DIESEL ENGINE

Sample No: VPA045386
Oil Type: MOBIL DELVAC 1300 SUPER15W40

SAMPLE INFORMATION

Sample Number	VPA045386	---	---	---
Sample Date	20 Oct 2023	---	---	---
Machine Hours	5378	---	---	---
Oil Hours	147	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	▲ 12.1	---	---	---
Base Number (BN)	mg KOH/g	■ 7.4	---	---	---
Oxidation (PA)	%	76	---	---	---

CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.4	---	---	---
Silicon	ppm	■ 5	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 3	---	---	---

WEAR METALS

Iron	ppm	■ 2	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 48	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 1	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1559	---	---	---
Magnesium	ppm	■ 518	---	---	---
Zinc	ppm	■ 924	---	---	---
Phosphorus	ppm	■ 776	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 50	---	---	---

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T:
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Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type. The condition of the oil is acceptable for the time in service.

Depot: VP557070
Unique No: 10709753
Signed: Doug Bogart
Report Date: 25 Oct 2023

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GRAPHS

