

OIL ANALYSIS REPORT

VOLVO PENTA

1867 MAN NOT GIVEN VPA060892 - STARBOARD DIESEL ENGINE

Sample No: VPA060892
Oil Type: MOBIL DELVAC 1 5W40

SAMPLE INFORMATION

Sample Number	VPA060892	---	---	---
Sample Date	13 Apr 2024	---	---	---
Machine Hours	70	---	---	---
Oil Hours	70	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

SMART DIESEL SERVICE

102 NW 133RD AVE, UNIT 103
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US 33325
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	---	---	---
Base Number (BN)	mg KOH/g	█ 6.6	---	---	---
Oxidation (PA)	%	167	---	---	---

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.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	71	---	---	---
Sulfation (PA)	%	99	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ < 1	---	---	---

WEAR METALS

Iron	ppm	█ 43	---	---	---
Copper	ppm	█ 25	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 46	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1222	---	---	---
Magnesium	ppm	█ 906	---	---	---
Zinc	ppm	█ 1362	---	---	---
Phosphorus	ppm	█ 1106	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 77	---	---	---

Depot: VPSMAPLA
Unique No: 10994098
Signed: Angela Borella
Report Date: 25 Apr 2024

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GRAPHS

