

OIL ANALYSIS REPORT

**VOLVO
PENTA**

SLEEPING BEAR YANMAR M60578 - PORT DIESEL ENGINE

Sample No: VPA039167
Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA039167	---	---	---
Sample Date	10 May 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Oxidation (PA)	%	65	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	█ 0.0	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ < 1	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 6	---	---	---

WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ 30	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ < 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1968	---	---	---
Magnesium	ppm	█ 11	---	---	---
Zinc	ppm	█ 1019	---	---	---
Phosphorus	ppm	█ 921	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 176	---	---	---

Pratt Diesel Ltd.
2384 Craig's Side Road
CARP, ON
CA K0A 1L0
Contact: M Boyd
melular1@gmail.com
T: (613)536-9501
F: (613)549-1608

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP662525
Unique No: 5776662
Signed: Kevin Marson
Report Date: 15 May 2024

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GRAPHS

