

OIL ANALYSIS REPORT

VOLVO PENTA

MARINE MAX VOLVO PENTA A727928 - STARBOARD DIESEL ENGINE

Sample No: VPA053451

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA053451	---	---	---
Sample Date	18 Apr 2024	---	---	---
Machine Hours	457	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

INTERSTATE POWERSYSTEMS

21568 HIGHVIEW AVE

LAKEVILLE, MN

US 55044

Contact: NICK BECK

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OIL CONDITION

Visc @ 100°C	cSt	█ 14.6	---	---	---
Base Number (BN)	mg KOH/g	█ 8.5	---	---	---
Oxidation (PA)	%	64	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0	---	---	---
Nitration (PA)	%	41	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 6	---	---	---

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.

WEAR METALS

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

ADDITIVES

Calcium	ppm	█ 2224	---	---	---
Magnesium	ppm	█ 18	---	---	---
Zinc	ppm	█ 1150	---	---	---
Phosphorus	ppm	█ 907	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 195	---	---	---

Depot: VP439070

Unique No: 10991998

Signed: Doug Bogart

Report Date: 22 Apr 2024

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GRAPHS

