

OIL ANALYSIS REPORT

VOLVO PENTA

JEWEL EB44-01 505658 VOLVO PENTA A395382 - STARBOARD DIESEL ENGINE

Sample No: VPA035489

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA035489	---	---	---
Sample Date	07 Dec 2021	---	---	---
Machine Hours	556	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.49	---	---	---
Base Number (BN)	mg KOH/g	█ 9	---	---	---
Oxidation (PA)	%	█ 68	---	---	---

CONTAMINATION

Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	█ 63	---	---	---
Sulfation (PA)	%	█ 59	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ <1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 5	---	---	---

WEAR METALS

Iron	ppm	█ 25	---	---	---
Copper	ppm	█ 7	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 14	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

Calcium	ppm	█ 2077	---	---	---
Magnesium	ppm	█ 230	---	---	---
Zinc	ppm	█ 1201	---	---	---
Phosphorus	ppm	█ 1039	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 105	---	---	---

Marine International Diesels Inc.

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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 acceptable for the time in service.

Depot: VP694356
Unique No: 9772784
Signed: Doug Bogart
Report Date: 09 Dec 2021

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GRAPHS

