

OIL ANALYSIS REPORT

VOLVO PENTA

KOHLER SGM32GHV2 - GENSET

Sample No: VPA056191

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA056191	VPA035505	---	---
Sample Date	27 Jul 2023	26 Aug 2020	---	---
Machine Hours	487	344	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.5	█ 14.00	---	---
Base Number (BN)	mg KOH/g	█ 9.1	---	---	---
Oxidation (PA)	%	55	69	---	---

CONTAMINATION

Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	48	53	---	---
Sulfation (PA)	%	49	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 20	█ 47	---	---
Sodium	ppm	█ 2	█ 4	---	---
Potassium	ppm	█ <1	█ 4	---	---

WEAR METALS

Iron	ppm	█ 5	█ 7	---	---
Copper	ppm	█ 1	█ 2	---	---
Lead	ppm	█ <1	█ 2	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ <1	█ 2	---	---
Chromium	ppm	█ <1	█ 1	---	---
Molybdenum	ppm	█ 41	█ 51	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	█ 0	<1	---	---
Manganese	ppm	█ <1	█ 1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	█ 1103	█ 943	---	---
Magnesium	ppm	█ 929	█ 822	---	---
Zinc	ppm	█ 1177	█ 991	---	---
Phosphorus	ppm	█ 950	█ 808	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 23	█ 2	---	---

SUNCOAST DIESEL MARINE

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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: VP705283
Unique No: 10579807
Signed: Doug Bogart
Report Date: 03 Aug 2023

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GRAPHS

