

OIL ANALYSIS REPORT

**VOLVO
PENTA**

TG CAPUTO KOHLER SGM32GNHH - GENSET

Sample No: VPA044456
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA044456	VPA028458	---	---
Sample Date	08 Aug 2023	01 Jul 2022	---	---
Machine Hours	371	293	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	NORMAL	---	---

Suncoast Diesel Marine Inc.
610 Mount Vernan St
OLDSMAR, FL
US 34677
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OIL CONDITION

Visc @ 100°C	cSt	13.8	13.9	---	---
Base Number (BN)	mg KOH/g	9.0	9.7	---	---
Oxidation (PA)	%	63	67	---	---

CONTAMINATION

Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	48	53	---	---
Sulfation (PA)	%	52	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	41	57	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	1	0	---	---

WEAR METALS

Iron	ppm	6	8	---	---
Copper	ppm	1	2	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	0	2	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	59	55	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1153	1083	---	---
Magnesium	ppm	1019	901	---	---
Zinc	ppm	1270	1124	---	---
Phosphorus	ppm	994	869	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	4	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: VP945077
Unique No: 10603829
Signed: Don Baldrige
Report Date: 15 Aug 2023

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GRAPHS

