

OIL ANALYSIS REPORT

VOLVO PENTA

ANDREW KWOK KWOK KOHLER SGM32144G4 - GENSET

Sample No: VPA059234

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA059234	---	---	---
Sample Date	08 Dec 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

Harry's Marine Service LLC

1141 N. Citrus St.

Orange, CA

US 92887

Contact: TARAH AULD

info@harrismarine.com

T: (714)771-7899

F:

OIL CONDITION

Visc @ 100°C	cSt	12.6	---	---	---
Base Number (BN)	mg KOH/g	8.9	---	---	---
Oxidation (PA)	%	62	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	41	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	63	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	4	---	---	---

Diagnosis

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 condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	7	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	63	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1139	---	---	---
Magnesium	ppm	834	---	---	---
Zinc	ppm	1308	---	---	---
Phosphorus	ppm	1081	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	128	---	---	---

Depot: VP867279

Unique No: 10780901

Signed: Doug Bogart

Report Date: 11 Dec 2023

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

