

OIL ANALYSIS REPORT

**VOLVO
PENTA**

GENE DORN GREG E. KOHLER 336KGMJR0004 - CENTER GENSET

Sample No: VPA058562
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA058562	VPA056266	---	---
Sample Date	26 Jun 2024	30 Jun 2023	---	---
Machine Hours	196	39	---	---
Oil Hours	150	39	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	14.0	14.4	---	---
Base Number (BN)	mg KOH/g	8.2	8.7	---	---
Oxidation (PA)	%	64	51	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	50	52	---	---
Sulfation (PA)	%	54	51	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	5	14	---	---
Sodium	ppm	4	7	---	---
Potassium	ppm	7	3	---	---

Diagnosis

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.

WEAR METALS

Iron	ppm	11	12	---	---
Copper	ppm	2	6	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	1	2	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	4	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1933	1342	---	---
Magnesium	ppm	118	624	---	---
Zinc	ppm	1093	1093	---	---
Phosphorus	ppm	901	928	---	---
Barium	ppm	0	0	---	---
Boron	ppm	175	174	---	---

Depot: VP648685
Unique No: 11110451
Signed: Don Baldrige
Report Date: 05 Jul 2024

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GRAPHS

