

OIL ANALYSIS REPORT

**VOLVO
PENTA**

KIRK RUSSEL 502875 KOHLER 2177477 - GENSET

Sample No: VPA059268
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA059268	VPA047111	---	---
Sample Date	21 Mar 2024	25 Apr 2022	---	---
Machine Hours	227	220	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.8	14.1	---	---
Base Number (BN)	mg KOH/g	7.9	9.1	---	---
Oxidation (PA)	%	60	63	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	78	83	---	---
Sulfation (PA)	%	50	54	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	10	8	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	<1	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	10	8	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	17	16	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1728	1584	---	---
Magnesium	ppm	608	600	---	---
Zinc	ppm	937	953	---	---
Phosphorus	ppm	820	780	---	---
Barium	ppm	0	0	---	---
Boron	ppm	85	90	---	---

Depot: VP794951
Unique No: 10941499
Signed: Don Baldrige
Report Date: 27 Mar 2024

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GRAPHS

