

OIL ANALYSIS REPORT

**VOLVO
PENTA**

FSC 14181 PERKINS X20462B - INDUSTRIAL - GENSET

Sample No: VPA055049

Oil Type: LUB 15W40

SAMPLE INFORMATION

Sample Number	VPA055049	---	---	---
Sample Date	05 Jul 2023	---	---	---
Machine Hours	267	---	---	---
Oil Hours	267	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	7.6	---	---	---
Oxidation (PA)	%	53	---	---	---

CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	49	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <1	---	---	---

WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	75	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	2094	---	---	---
Magnesium	ppm	103	---	---	---
Zinc	ppm	1192	---	---	---
Phosphorus	ppm	987	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	52	---	---	---

PARTS & POWER

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US 00803
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F:

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.

Depot: VP981217
Unique No: 10585769
Signed: Sean Felton
Report Date: 03 Aug 2023

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GRAPHS

