

OIL ANALYSIS REPORT

VOLVO PENTA

CJ-614780 VOLVO PENTA A195416 - PORT GASOLINE ENGINE

Sample No: VPA042175

Oil Type: VOLVO

SAMPLE INFORMATION

Sample Number	VPA042175	---	---	---
Sample Date	18 Apr 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	8.1	---	---	---
Base Number (BN)	mg KOH/g	26.8	---	---	---
Oxidation (PA)	%	12	---	---	---

CONTAMINATION

Water	%	4.01	---	---	---
Soot %	%	0.2	---	---	---
Nitration (PA)	%	14	---	---	---
Sulfation (PA)	%	7	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	1	---	---	---

WEAR METALS

Iron	ppm	484	---	---	---
Copper	ppm	0	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	2	---	---	---
Aluminum	ppm	25	---	---	---
Chromium	ppm	5	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	9	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	11	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	32	---	---	---
Phosphorus	ppm	1383	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	210	---	---	---

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. Cylinder, crank, or cam shaft wear is indicated. Appearance is milky. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP159751
Unique No: 10992748
Signed: Jonathan Hester
Report Date: 25 Apr 2024

OIL ANALYSIS REPORT



GRAPHS

