

OIL ANALYSIS REPORT



PAUL JOHNSON SR00100089 VOLVO PENTA A583186 - PORT DIESEL ENGINE

Sample No: VPA053169

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA053169	VPA029135	---	---
Sample Date	30 May 2024	30 Jul 2020	---	---
Machine Hours	0	220	---	---
Oil Hours	0	40	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

Pacific Power Group - VP981534
 7215 S 228th St
 Kent, WA
 US 98032
 Contact: PAT RYAN
 pryan@pacificpowergroup.com
 T: (253)520-5163
 F:

OIL CONDITION

Visc @ 100°C	cSt	13.6	13.3	---	---
Base Number (BN)	mg KOH/g	9.5	---	---	---
Oxidation (PA)	%	55	55	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	52	43	---	---
Sulfation (PA)	%	49	52	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	4	7	---	---
Sodium	ppm	<1	2	---	---
Potassium	ppm	2	8	---	---

Diagnosis

No corrective action is recommended at this time. 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	17	9	---	---
Copper	ppm	4	4	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	54	60	---	---
Nickel	ppm	<1	1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1101	1103	---	---
Magnesium	ppm	876	1034	---	---
Zinc	ppm	1139	1172	---	---
Phosphorus	ppm	974	1034	---	---
Barium	ppm	0	0	---	---
Boron	ppm	29	4	---	---

Depot: VP99031103
Unique No: 11071855
Signed: Sean Felton
Report Date: 12 Jun 2024

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VOLVO PENTA

GRAPHS

