

OIL ANALYSIS REPORT



PAUL JOHNSON SRO0100089 VOLVO PENTA A583188 - STARBOARD DIESEL ENGINE

Sample No: VPA053171
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA053171	VPA033515	---	---
Sample Date	30 May 2024	30 Jul 2020	---	---
Machine Hours	0	219	---	---
Oil Hours	0	39	---	---
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	13.7	13.3	---	---
Base Number (BN)	mg KOH/g	9.8	---	---	---
Oxidation (PA)	%	56	55	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	52	44	---	---
Sulfation (PA)	%	50	52	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	4	7	---	---
Sodium	ppm	<1	3	---	---
Potassium	ppm	2	0	---	---

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	15	9	---	---
Copper	ppm	4	4	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	51	62	---	---
Nickel	ppm	<1	1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1086	1123	---	---
Magnesium	ppm	910	1066	---	---
Zinc	ppm	1180	1201	---	---
Phosphorus	ppm	1022	1050	---	---
Barium	ppm	0	0	---	---
Boron	ppm	13	3	---	---

Depot: VP99031103
Unique No: 11071854
Signed: Sean Felton
Report Date: 12 Jun 2024

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VOLVO PENTA

GRAPHS

