

OIL ANALYSIS REPORT



502170 VOLVO PENTA DPH-D1 3020301547 (S/N 302031547) - PORT GEARBOX

Sample No: VPA058495

Oil Type: VOLVO PENTA GL-5 SAE 75W140

SAMPLE INFORMATION

Sample Number	VPA058495	VPA015760	VPA010857	---
Sample Date	21 Mar 2024	24 Sep 2018	11 Apr 2018	---
Machine Hours	1471	1010	878	---
Oil Hours	0	0	149	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

North Harbor Diesel Inc
 720 30Th Street
 ANACORTES, WA
 US 98221
 Contact: ED MCFARLIN
 ed@northharbordiesel.com
 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	█ 157	151.2	86.15	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	█ 1	█ 2	█ 5	---
Sodium	ppm	█ 2	█ 4	█ 3	---
Potassium	ppm	█ 0	█ 3	█ 0	---

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 condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		█ 17	█ 20	█ 23	---
Iron	ppm	█ 8	█ 10	█ 49	---
Copper	ppm	█ 0	█ <1	█ <1	---
Lead	ppm	█ 0	█ 0	█ 0	---
Tin	ppm	█ 0	█ <1	█ 0	---
Aluminum	ppm	█ 1	█ <1	█ 3	---
Chromium	ppm	█ 0	█ <1	█ 2	---
Molybdenum	ppm	█ 0	0	<1	---
Nickel	ppm	█ 0	<1	1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	█ 0	2	10	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	█ 8	5	23	---
Magnesium	ppm	█ 780	732	856	---
Zinc	ppm	█ <1	0	6	---
Phosphorus	ppm	█ 1442	1131	1473	---
Barium	ppm	█ 0	0	0	---
Boron	ppm	█ 399	363	494	---

Depot: VP179089
Unique No: 10953156
Signed: Sean Felton
Report Date: 03 Apr 2024

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GRAPHS

