

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA IPS 20-D 3950003688 - PORT IPS

Sample No: VPA031053

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA031053	VPA032908	VPA027538	---
Sample Date	23 Jun 2023	02 Dec 2020	04 Jun 2020	---
Machine Hours	0	308	281	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6
SARASOTA, FL
US 34240
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OIL CONDITION

Visc @ 40°C	cSt	█ 108	█ 103	█ 101	---
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CONTAMINATION

Water	%	█ 0.134	---	---	---
Silicon	ppm	█ 7	<1	6	---
Sodium	ppm	█ 2	█ 3	█ 3	---
Potassium	ppm	█ 6	█ 3	█ 3	---

WEAR METALS

PQ		█ 19	█ 25	█ 38	---
Iron	ppm	█ 20	█ 42	█ 33	---
Copper	ppm	█ 4	9	6	---
Lead	ppm	█ 0	<1	0	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	<1	2	2	---
Chromium	ppm	█ <1	█ <1	█ <1	---
Molybdenum	ppm	█ 2	█ <1	█ <1	---
Nickel	ppm	█ <1	█ <1	█ <1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	█ 0	<1	0	---
Manganese	ppm	█ 4	█ 4	█ 4	---
Vanadium	ppm	<1	0	0	---

ADDITIVES

Calcium	ppm	█ 28	█ 16	█ 20	---
Magnesium	ppm	█ 40	█ 280	█ 252	---
Zinc	ppm	█ 31	█ <1	█ 5	---
Phosphorus	ppm	█ 1439	█ 1487	█ 1335	---
Barium	ppm	█ 1	█ 0	█ 0	---
Boron	ppm	█ 367	█ 421	█ 346	---

Diagnosis

Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry update of component type. All component wear rates are normal. There is a trace of moisture present in the oil. The water content is negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP705283
Unique No: 10562042
Signed: Doug Bogart
Report Date: 18 Jul 2023

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GRAPHS

