

OIL ANALYSIS REPORT

VOLVO PENTA

OKEEFE VOLVO PENTA 3940027000 - PORT IPS

Sample No: VPA048119
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA048119	VPA045269	VPA037508	VPA028202
Sample Date	31 Jul 2023	12 Jan 2023	21 Jan 2022	28 Jun 2021
Machine Hours	1024	973	823	771
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SUNCOAST DIESEL MARINE
6341 PORTER ROAD, SUITE 6
SARASOTA, FL
US 34240
Contact: SERVICE MANAGER
info@suncoastdmi.com
T: (941)342-0033
F:

OIL CONDITION

Visc @ 40°C	cSt	█ 104	█ 106	█ 102.5	█ 102.4
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CONTAMINATION

Silicon	ppm	█ 9	█ 14	█ 20	█ 15
Sodium	ppm	█ 4	█ 4	█ 4	█ 4
Potassium	ppm	█ <1	█ 1	█ 5	█ 6

WEAR METALS

PQ		█ 15	█ 18	█ 17	█ 18
Iron	ppm	█ 85	█ 167	█ 147	█ 79
Copper	ppm	█ 8	█ 18	█ 24	█ 15
Lead	ppm	█ 0	█ 0	█ 0	█ <1
Tin	ppm	█ 0	█ 0	█ <1	█ 0
Aluminum	ppm	█ 1	█ 2	█ 3	█ 0
Chromium	ppm	█ <1	█ 2	█ <1	█ <1
Molybdenum	ppm	█ <1	█ <1	█ 1	█ <1
Nickel	ppm	█ 1	█ 2	█ 1	█ 1
Titanium	ppm	█ 0	█ 0	█ <1	█ <1
Silver	ppm	█ <1	█ 0	█ 0	█ 2
Manganese	ppm	█ 1	█ 4	█ 6	█ 4
Vanadium	ppm	█ 0	█ 0	█ 0	█ 0

ADDITIVES

Calcium	ppm	█ 8	█ 12	█ 28	█ 18
Magnesium	ppm	█ 5	█ 36	█ 165	█ 140
Zinc	ppm	█ 6	█ 12	█ 24	█ 2
Phosphorus	ppm	█ 1539	█ 1384	█ 1320	█ 1312
Barium	ppm	█ 0	█ 0	█ 0	█ 0
Boron	ppm	█ 332	█ 303	█ 185	█ 155

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

Depot: VP705283
Unique No: 10587530
Signed: Don Baldrige
Report Date: 06 Aug 2023

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GRAPHS

