

OIL ANALYSIS REPORT

VOLVO PENTA

STEVE WHITENER MATTHEW DOW VOLVO PENTA 7008471813 - PORT DIESEL ENGINE

Sample No: VPA060795

Oil Type: VALVOLINE PREMIUM BLUE

SAMPLE INFORMATION

Sample Number	VPA060795	VPA043331	---	---
Sample Date	09 Oct 2023	04 Oct 2022	---	---
Machine Hours	503	481	---	---
Oil Hours	22	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

Mobile Marine Services Inc
01032 Advance Rd South
EAST JORDAN, MI
US 49727
Contact: Duane Kujat
mobilemarine@twin-valley.net
T: Phone
F:

OIL CONDITION

Visc @ 100°C	cSt	14.4	14.5	---	---
Base Number (BN)	mg KOH/g	9.3	11.5	---	---
Oxidation (PA)	%	69	66	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.3	1.9	---	---
Nitration (PA)	%	59	79	---	---
Sulfation (PA)	%	56	68	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	8	12	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	0	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 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	6	35	---	---
Copper	ppm	10	95	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	44	63	---	---
Nickel	ppm	<1	1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	2	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1077	1123	---	---
Magnesium	ppm	828	981	---	---
Zinc	ppm	901	1264	---	---
Phosphorus	ppm	685	1031	---	---
Barium	ppm	0	0	---	---
Boron	ppm	39	2	---	---

Depot: VP443016
Unique No: 10742678
Signed: Don Baldrige
Report Date: 18 Nov 2023

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GRAPHS

