

OIL ANALYSIS REPORT

**VOLVO
PENTA**

CATHERINE PREE 6738 YANMAR KMH40A 00439 - INBOARD GEARBOX

Sample No: VPA055813

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA055813	---	---	---
Sample Date	20 Jun 2024	---	---	---
Machine Hours	229	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

Northwest Diesel Power

1325 ROEDER AVE SUITE 103
BELLINGHAM, WA
US 98225

Contact: BRANDON ROBERTSON
parts@nwdieselpower.com

T:
F:

OIL CONDITION

Visc @ 40°C	cSt	85.8	---	---	---
-------------	-----	------	-----	-----	-----

CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 38	---	---	---
Sodium	ppm	■ 8	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

PQ		■ 28	---	---	---
Iron	ppm	■ 37	---	---	---
Copper	ppm	▲ 176	---	---	---
Lead	ppm	■ 35	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	30	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	3133	---	---	---
Magnesium	ppm	12	---	---	---
Zinc	ppm	1239	---	---	---
Phosphorus	ppm	1026	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	312	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

Depot: VP759009
Unique No: 11098264
Signed: Jonathan Hester
Report Date: 27 Jun 2024

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

