

OIL ANALYSIS REPORT

VOLVO PENTA

NADINE URCIUOLI BOB MORRIS ZF MARINE 30817H - STERNDRIVE - STARBOARD GEARBOX

Sample No: VPA058315

Oil Type: VOLVO SUPER TRANSMISSION OIL SAE 30

SAMPLE INFORMATION

Sample Number	VPA058315	---	---	---
Sample Date	23 May 2024	---	---	---
Machine Hours	1347	---	---	---
Oil Hours	1347	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

Helmut's Marine Service

619 Canal Street
SAN RAFAEL, CA
US 94901-3545
Contact: NADINE URCIUOLI
SERVICE@HELMUTSMARINE.COM

T: x:

F: x:

OIL CONDITION

Visc @ 40°C	cSt	■ 89.76	---	---	---
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CONTAMINATION

Water	%	■ NEG	---	---	---
Silicon	ppm	■ 10	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 0	---	---	---

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.

WEAR METALS

PQ		■ 13	---	---	---
Iron	ppm	■ 7	---	---	---
Copper	ppm	■ 20	---	---	---
Lead	ppm	■ 128	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 48	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 3685	---	---	---
Magnesium	ppm	■ 43	---	---	---
Zinc	ppm	■ 1230	---	---	---
Phosphorus	ppm	■ 1050	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 492	---	---	---

Depot: VP152741

Unique No: 11047671

Signed: Doug Bogart

Report Date: 24 May 2024

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GRAPHS

