

OIL ANALYSIS REPORT

VOLVO PENTA

PARAGON Z8280 6H2341 - INBOARD - PORT GEARBOX

Sample No: VPA051643

Oil Type: DEX/MERC ATF

SAMPLE INFORMATION

Sample Number	VPA051643	---	---	---
Sample Date	09 Apr 2024	---	---	---
Machine Hours	3	---	---	---
Oil Hours	5	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

MATHEWS BROTHERS

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OIL CONDITION

Visc @ 40°C	cSt	■ 31.2	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 23	---	---	---
Sodium	ppm	■ 11	---	---	---
Potassium	ppm	■ 11	---	---	---

WEAR METALS

PQ		■ 38	---	---	---
Iron	ppm	■ 43	---	---	---
Copper	ppm	▲ 88	---	---	---
Lead	ppm	■ 15	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	4	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	158	---	---	---
Magnesium	ppm	12	---	---	---
Zinc	ppm	43	---	---	---
Phosphorus	ppm	242	---	---	---
Barium	ppm	4	---	---	---
Boron	ppm	95	---	---	---

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.

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GRAPHS

