

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 3194011448 - STARBOARD IPS

Sample No: VPA058615

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA058615	VPA022556	---	---
Sample Date	29 Feb 2024	03 Feb 2020	---	---
Machine Hours	519	260	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

JON DIESEL LLC
4915 241ST E
MYAKKA CITY, FL
US 34251
Contact: Jon Marquette
jondieselllc@gmail.com
T: (941)780-1330
F:

OIL CONDITION

Visc @ 40°C	cSt	█ 108	█ 103	---	---
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CONTAMINATION

Water	%	NEG	█ 0.194	---	---
Silicon	ppm	16	22	---	---
Sodium	ppm	█ 44	█ 5	---	---
Potassium	ppm	█ 2	█ <1	---	---

WEAR METALS

PQ		█ 20	█ 30	---	---
Iron	ppm	█ 99	█ 155	---	---
Copper	ppm	█ 10	█ 17	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	5	3	---	---
Chromium	ppm	█ 1	█ 2	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	█ 2	█ 2	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	2	2	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	12	38	---	---
Magnesium	ppm	6	4	---	---
Zinc	ppm	38	117	---	---
Phosphorus	ppm	2002	1410	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	438	296	---	---

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: VPJONMYA
Unique No: 10912440
Signed: Doug Bogart
Report Date: 06 Mar 2024

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GRAPHS

