

OIL ANALYSIS REPORT

VOLVO PENTA

TREY YACHT MANAGEMENT EVAN/502924 MERCURY 2A533933 - PORT GASOLINE ENGINE

Sample No: VPA061718
Oil Type: MERCURY 25W40

SAMPLE INFORMATION

Sample Number	VPA061718	---	---	---
Sample Date	29 May 2024	---	---	---
Machine Hours	155	---	---	---
Oil Hours	155	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	16.1	---	---	---
Base Number (BN)	mg KOH/g	8.4	---	---	---
Oxidation (PA)	%	16	---	---	---

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 suitable for further service.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	9	---	---	---
Sulfation (PA)	%	12	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	62	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	2	---	---	---

WEAR METALS

Iron	ppm	14	---	---	---
Copper	ppm	14	---	---	---
Lead	ppm	4	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	48	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	2089	---	---	---
Magnesium	ppm	11	---	---	---
Zinc	ppm	795	---	---	---
Phosphorus	ppm	671	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	194	---	---	---

Depot: VP794951
Unique No: 11061999
Signed: Jonathan Hester
Report Date: 07 Jun 2024

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GRAPHS

