

OIL ANALYSIS REPORT



JEFF SCOTT TOM VOLVO PENTA A517560 - PORT DIESEL ENGINE

Sample No: VPA058001
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA058001	VPA026309	---	---
Sample Date	20 Mar 2024	26 Jun 2020	---	---
Machine Hours	325	200	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

ADMIRALTY MARINE
 2775 KURTZ ST, STE 12
 SAN DIEGO, CA
 US 92110
 Contact: Terry Albee
 TALBEE@ADMIRALTYMARINE.NET
 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	13.4	13.5	---	---
Base Number (BN)	mg KOH/g	10.0	---	---	---
Oxidation (PA)	%	53	57	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	42	42	---	---
Sulfation (PA)	%	49	54	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	5	7	---	---
Sodium	ppm	3	2	---	---
Potassium	ppm	2	<1	---	---

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.

WEAR METALS

Iron	ppm	15	10	---	---
Copper	ppm	3	2	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	3	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	62	63	---	---
Nickel	ppm	1	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	1139	1103	---	---
Magnesium	ppm	977	1044	---	---
Zinc	ppm	1217	1212	---	---
Phosphorus	ppm	984	1085	---	---
Barium	ppm	2	0	---	---
Boron	ppm	5	2	---	---

Depot: VP151529
Unique No: 10939494
Signed: Jonathan Hester
Report Date: 22 Mar 2024

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VOLVO PENTA

GRAPHS

