

OIL ANALYSIS REPORT



JON GILBERT 1610127 VOLVO PENTA A430603 - CENTER DIESEL ENGINE

Sample No: VPA061444

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA061444	VPA054824	---	---
Sample Date	25 Jun 2024	04 Jun 2024	---	---
Machine Hours	124	124	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	14.6	14.7	---	---
Base Number (BN)	mg KOH/g	10.2	10.0	---	---
Oxidation (PA)	%	52	52	---	---

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 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	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	48	39	---	---
Sulfation (PA)	%	48	49	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	5	---	---
Sodium	ppm	1	<1	---	---
Potassium	ppm	1	2	---	---

WEAR METALS

Iron	ppm	11	3	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	48	55	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1224	1067	---	---
Magnesium	ppm	948	925	---	---
Zinc	ppm	1214	1199	---	---
Phosphorus	ppm	885	1000	---	---
Barium	ppm	0	0	---	---
Boron	ppm	25	8	---	---

Depot: VP99031103
Unique No: 11100296
Signed: Sean Felton
Report Date: 28 Jun 2024

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GRAPHS

