

OIL ANALYSIS REPORT

VOLVO PENTA

CUMMINS 74090138 - STARBOARD DIESEL ENGINE

Sample No: VPA055922

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA055922	---	---	---
Sample Date	21 Jun 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	200	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.3	---	---	---
Base Number (BN)	mg KOH/g	█ 8.6	---	---	---
Oxidation (PA)	%	64	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	47	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 9	---	---	---

WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 2090	---	---	---
Magnesium	ppm	█ 25	---	---	---
Zinc	ppm	█ 1106	---	---	---
Phosphorus	ppm	█ 1021	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 198	---	---	---

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T:
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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 acceptable for the time in service.

Depot: VP615083
Unique No: 11098535
Signed: Doug Bogart
Report Date: 25 Jun 2024

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GRAPHS

