

OIL ANALYSIS REPORT

VOLVO PENTA

VANCOUVER READY MIX R461282 WESTERN STAR 3BHJBZDRXRDVB0854 - DIESEL ENGINE

Sample No: VPA060270

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA060270	---	---	---
Sample Date	07 Dec 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	11.3	---	---	---
Oxidation (PA)	%	58	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.5	---	---	---
Silicon	ppm	10	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	9	---	---	---

WEAR METALS

Iron	ppm	6	---	---	---
Copper	ppm	30	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	6	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	64	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1025	---	---	---
Magnesium	ppm	1124	---	---	---
Zinc	ppm	1255	---	---	---
Phosphorus	ppm	1040	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	105	---	---	---

CULLEN DIESEL POWER - 695335

9300 192 ST

SURREY, BC

CA V4N 3R8

Contact: Michelle Sayers

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F:

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Fuel content negligible. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: CULSUR

Unique No: 5696147

Signed: Kevin Marson

Report Date: 18 Dec 2023

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GRAPHS

