



CONSTRUCTION EQUIPMENT

RANGO VOLVO A60H 340071 - DIESEL ENGINE



Sample No: VCP388315
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: RANGO



SAMPLE INFORMATION

Sample Number	VCP388315	---	---	---
Sample Date	02 May 2024	---	---	---
Machine Hours	9449	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	---	---	---
Base Number (BN)	mg KOH/g	█ 8.6	---	---	---
Oxidation (PA)	%	55	---	---	---

Diagnosis

Check for low coolant level. Resample at the next service interval to monitor. All component wear rates are normal. Sodium and/or potassium levels are high. Test for glycol is negative. 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.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	55	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	● 69	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 15	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 89	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1909	---	---	---
Magnesium	ppm	█ 406	---	---	---
Zinc	ppm	█ 1159	---	---	---
Phosphorus	ppm	█ 995	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 169	---	---	---

Depot: VOLVO6174
Unique No: 11019680
Signed: Sean Felton
Report Date: 16 May 2024



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GRAPHS

