



CONSTRUCTION EQUIPMENT

607478 VOLVO EC380 314211 - DIESEL ENGINE



Sample No: VCP409821
Oil Type: DIESEL ENGINE OIL SAE 30
Job No: G07478



SAMPLE INFORMATION

Sample Number	VCP409821	---	---	---
Sample Date	07 Jul 2023	---	---	---
Machine Hours	4109	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 11.2	---	---	---
Base Number (BN)	mg KOH/g	█ 5.7	---	---	---
Oxidation (PA)	%	50	---	---	---

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	72	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 1.7	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 30. Please confirm. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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	█ 5	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 12	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 19	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 2030	---	---	---
Magnesium	ppm	█ 209	---	---	---
Zinc	ppm	█ 1043	---	---	---
Phosphorus	ppm	█ 882	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 16	---	---	---

Depot: VOLVO8880
Unique No: 10552475
Signed: Wes Davis
Report Date: 13 Jul 2023



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GRAPHS

