



CONSTRUCTION EQUIPMENT

VOLVO EC480EL 314271 - DIESEL ENGINE



Sample No: VCP0007405
Oil Type: NOT GIVEN
Job No:



SAMPLE INFORMATION

Sample Number	VCP0007405	---	---	---
Sample Date	19 Oct 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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 8750 PHILIPS HWY
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 US 32256
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.0	---	---	---
Base Number (BN)	mg KOH/g	█ 8.4	---	---	---
Oxidation (PA)	%	86	---	---	---

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. Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material. 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

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	74	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.6	---	---	---
Silicon	ppm	▲ 30	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 45	---	---	---
Nickel	ppm	█ 5	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1660	---	---	---
Magnesium	ppm	█ 594	---	---	---
Zinc	ppm	█ 1169	---	---	---
Phosphorus	ppm	█ 942	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 18	---	---	---

Depot: VOLVO0092
Unique No: 10710541
Signed: Don Baldrige
Report Date: 28 Oct 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

