



CONSTRUCTION EQUIPMENT

GCA ELTEC 0173 - DIESEL ENGINE



Sample No: VCP424117
Oil Type: NOT GIVEN
Job No: GCA



SAMPLE INFORMATION

Sample Number	VCP424117	---	---	---
Sample Date	06 Sep 2023	---	---	---
Machine Hours	4813	---	---	---
Oil Hours	300	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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 US 04401
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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.5	---	---	---
Base Number (BN)	mg KOH/g	■ 9.0	---	---	---
Oxidation (PA)	%	71	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. All component wear rates are normal. Light fuel dilution occurring. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is suitable for further service.



CONTAMINATION

Soot %	%	■ 1	---	---	---
Nitration (PA)	%	85	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 3.5	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 1	---	---	---



WEAR METALS

Iron	ppm	■ 33	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 64	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1122	---	---	---
Magnesium	ppm	■ 1034	---	---	---
Zinc	ppm	■ 1364	---	---	---
Phosphorus	ppm	■ 1113	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 2	---	---	---

Depot: VOLVO0007
Unique No: 10635596
Signed: Wes Davis
Report Date: 11 Sep 2023



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VOLVO GRAPHS

