



CONSTRUCTION EQUIPMENT

CENTRAL SITE VOLVO EC380 314835 - DIESEL ENGINE



Sample No: VCP429775
Oil Type: NOT GIVEN
Job No: CENTRAL SITE



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
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SAMPLE INFORMATION

Sample Number	VCP429775	---	---	---
Sample Date	16 Oct 2023	---	---	---
Machine Hours	625	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	10.4	---	---	---
Base Number (BN)	mg KOH/g	6.0	---	---	---
Oxidation (PA)	%	71	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.3	---	---	---
Silicon	ppm	24	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	5	---	---	---



WEAR METALS

Iron	ppm	22	---	---	---
Copper	ppm	172	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	3	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	62	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1648	---	---	---
Magnesium	ppm	392	---	---	---
Zinc	ppm	1162	---	---	---
Phosphorus	ppm	928	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	42	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. 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.

Depot: VOLVO0093
Unique No: 10776005
Signed: Jonathan Hester
Report Date: 14 Dec 2023



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GRAPHS

