



CONSTRUCTION EQUIPMENT

302541 VOLVO EC220 314775 - DIESEL ENGINE



Sample No: VCP417971
Oil Type: NOT GIVEN
Job No: 302541



SAMPLE INFORMATION

Sample Number	VCP417971	---	---	---
Sample Date	13 Jul 2023	---	---	---
Machine Hours	1000	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

CASCADES RECOVERY US
1845 EMERSON ST
ROCHESTER, NY
US 146063123
Contact: SERVICE MANAGER

T: (585)527-8110
F:



OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	---	---	---
Base Number (BN)	mg KOH/g	█ 5.3	---	---	---
Oxidation (PA)	%	62	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	▲ 24	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 69	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 7	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2382	---	---	---
Magnesium	ppm	█ 108	---	---	---
Zinc	ppm	█ 1121	---	---	---
Phosphorus	ppm	█ 902	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 10	---	---	---

Depot: METROC
Unique No: 10559730
Signed: Don Baldrige
Report Date: 17 Jul 2023



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GRAPHS

