



CONSTRUCTION EQUIPMENT

X58852 VOLVO EC250ELR 316389 - DIESEL ENGINE



Sample No: VCP426010
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: X58852



SAMPLE INFORMATION

Sample Number	VCP426010	VCP400899	---	---
Sample Date	06 Nov 2023	12 Jun 2023	---	---
Machine Hours	1374	853	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.1	13.6	---	---
Base Number (BN)	mg KOH/g	10.4	8.1	---	---
Oxidation (PA)	%	78	33	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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 suitable for further service.



CONTAMINATION

Soot %	%	0.2	0.1	---	---
Nitration (PA)	%	53	45	---	---
Sulfation (PA)	%	60	41	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	7	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	10	9	---	---



WEAR METALS

Iron	ppm	8	10	---	---
Copper	ppm	2	5	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	3	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	47	117	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1847	2689	---	---
Magnesium	ppm	482	18	---	---
Zinc	ppm	1223	1199	---	---
Phosphorus	ppm	973	1038	---	---
Barium	ppm	0	0	---	---
Boron	ppm	41	7	---	---

Depot: SCOSAI
Unique No: 10736449
Signed: Wes Davis
Report Date: 10 Nov 2023



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GRAPHS

