



CONSTRUCTION EQUIPMENT

S50402261 ENV RENTAL VOLVO EC480EL 314785 - DIESEL ENGINE



Sample No: VCP412062
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: S50402261 ENV RENTAL



SAMPLE INFORMATION

Sample Number	VCP412062	VCP412867	---	---
Sample Date	08 Dec 2023	08 Dec 2023	---	---
Machine Hours	1000	1000	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

VCES- VOLVO CONSTRUCTION EQUIPMENT
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OIL CONDITION

Visc @ 100°C	cSt	13.2	13.5	---	---
Base Number (BN)	mg KOH/g	10.7	10.2	---	---
Oxidation (PA)	%	85	90	---	---

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

Water	%	NEG	NEG	---	---
Soot %	%	0.5	0.8	---	---
Nitration (PA)	%	66	73	---	---
Sulfation (PA)	%	63	66	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	7	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	<1	2	---	---



WEAR METALS

Iron	ppm	10	38	---	---
Copper	ppm	<1	1	---	---
Lead	ppm	1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	3	4	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	44	44	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1714	1728	---	---
Magnesium	ppm	543	524	---	---
Zinc	ppm	1204	1128	---	---
Phosphorus	ppm	957	965	---	---
Barium	ppm	0	12	---	---
Boron	ppm	33	28	---	---

Depot: VOLVO4486
Unique No: 10795069
Signed: Wes Davis
Report Date: 20 Dec 2023



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GRAPHS

