



CONSTRUCTION EQUIPMENT

A11504 VOLVO L60H 623331 - DIESEL ENGINE



Sample No: VCP430957
Oil Type: MOBIL 15W40
Job No: A11504



SAMPLE INFORMATION

Sample Number	VCP430957	VCP430372	VCP421859	---
Sample Date	22 Nov 2023	25 Sep 2023	23 Aug 2023	---
Machine Hours	1065	580	300	---
Oil Hours	500	0	300	---
Oil Changed	Changed	N/A	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

COVANTA ENERGY

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OIL CONDITION

Visc @ 100°C	cSt	13.7	13.0	12.4	---
Base Number (BN)	mg KOH/g	8.5	7.9	9.8	---
Oxidation (PA)	%	64	45	66	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.2	0.1	0.1	---
Nitration (PA)	%	67	53	53	---
Sulfation (PA)	%	54	46	54	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	7	7	20	---
Sodium	ppm	<1	2	5	---
Potassium	ppm	1	3	<1	---



WEAR METALS

Iron	ppm	10	6	16	---
Copper	ppm	2	1	7	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	1	2	---
Aluminum	ppm	2	2	7	---
Chromium	ppm	<1	<1	1	---
Molybdenum	ppm	44	28	40	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	5	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	1526	2030	1719	---
Magnesium	ppm	477	384	645	---
Zinc	ppm	1144	1221	1201	---
Phosphorus	ppm	915	990	1046	---
Barium	ppm	3	0	0	---
Boron	ppm	24	15	62	---

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.

Depot: COVCHE
Unique No: 10776019
Signed: Wes Davis
Report Date: 07 Dec 2023



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GRAPHS

