



CONSTRUCTION EQUIPMENT

SW1020865 BALCONES VOLVO L120H 633345 - DIESEL ENGINE



Sample No: VCP409768
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW1020865 BALCONES



SAMPLE INFORMATION

Sample Number	VCP409768	VCP381514	---	---
Sample Date	28 Jun 2023	18 Apr 2023	---	---
Machine Hours	1054	531	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



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OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	█ 12.3	---	---
Base Number (BN)	mg KOH/g	█ 9.2	█ 8.4	---	---
Oxidation (PA)	%	82	76	---	---



CONTAMINATION

Soot %	%	█ 0.3	█ 0.2	---	---
Nitration (PA)	%	57	48	---	---
Sulfation (PA)	%	61	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 0.4	---	---
Silicon	ppm	█ 14	█ 15	---	---
Sodium	ppm	█ 3	█ 5	---	---
Potassium	ppm	█ <1	█ 4	---	---

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.



WEAR METALS

Iron	ppm	█ 16	█ 31	---	---
Copper	ppm	█ 6	█ 13	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ 2	█ 2	---	---
Aluminum	ppm	█ 15	█ 74	---	---
Chromium	ppm	█ 2	█ 6	---	---
Molybdenum	ppm	█ 52	█ 39	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ <1	█ 3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1229	█ 1453	---	---
Magnesium	ppm	█ 787	█ 584	---	---
Zinc	ppm	█ 1176	█ 1100	---	---
Phosphorus	ppm	█ 958	█ 911	---	---
Barium	ppm	█ 2	█ 9	---	---
Boron	ppm	█ 20	█ 55	---	---

Depot: VOLVO6174
Unique No: 10549126
Signed: Wes Davis
Report Date: 11 Jul 2023



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GRAPHS

