



CONSTRUCTION EQUIPMENT

SWO-067600 VOLVO L350H 1007 - DIESEL ENGINE



Sample No: VCP431078
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SWO-067600



SAMPLE INFORMATION

Sample Number	VCP431078	VCP402623	VCP357781	VCP341613
Sample Date	17 Nov 2023	05 Apr 2023	15 Apr 2022	03 Nov 2021
Machine Hours	17555	1551	12518	10571
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

COWIN EQUIPMENT COMPANY
 2238 PINSON VALLEY PARKWAY
 BIRMINGHAM, AL
 US 35217
 Contact: BRANTLY CLAY
 bclay@cowin.com
 T:
 F: (205)856-2106



OIL CONDITION

Visc @ 100°C	cSt	13.0	12.7	15.2	14.5
Base Number (BN)	mg KOH/g	9.2	8.8	6.8	---
Oxidation (PA)	%	78	83	124	104



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.4	0.6	0.8	0.6
Nitration (PA)	%	59	72	117	103
Sulfation (PA)	%	62	64	92	76
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	▲ 29	7	5
Sodium	ppm	2	3	2	3
Potassium	ppm	0	0	1	4



WEAR METALS

Iron	ppm	6	25	32	12
Copper	ppm	8	8	2	1
Lead	ppm	0	0	4	3
Tin	ppm	0	3	<1	<1
Aluminum	ppm	<1	<1	4	3
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	44	48	103	77
Nickel	ppm	<1	5	2	2
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	2	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	1624	1595	1771	1917
Magnesium	ppm	524	495	786	651
Zinc	ppm	1166	1018	1136	1115
Phosphorus	ppm	874	832	937	968
Barium	ppm	0	0	0	0
Boron	ppm	46	38	103	79

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: VOLVO8528
Unique No: 10755219
Signed: Wes Davis
Report Date: 27 Nov 2023



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GRAPHS

