



CONSTRUCTION EQUIPMENT

133987 VOLVO L220H 3330 - DIESEL ENGINE



Sample No: VCP423799

Oil Type: NOT GIVEN

Job No: 133987



SAMPLE INFORMATION

Sample Number	VCP423799	VCP424565	VCP410560	VCP396483
Sample Date	08 Aug 2023	12 Jun 2023	11 Apr 2023	17 Feb 2023
Machine Hours	6543	6006	5456	4968
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE
14242 S SH-34
SCURRY, TX
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Contact: WALLACE WARREN
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T:
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OIL CONDITION

Visc @ 100°C	cSt	12.9	12.6	13.3	12.7
Base Number (BN)	mg KOH/g	7.0	6.1	7.5	6.8
Oxidation (PA)	%	80	88	67	78



CONTAMINATION

Soot %	%	0.2	0.3	0.1	0.2
Nitration (PA)	%	76	83	58	76
Sulfation (PA)	%	68	68	60	66
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	5	6
Sodium	ppm	0	2	1	0
Potassium	ppm	2	1	0	2



WEAR METALS

Iron	ppm	6	7	4	6
Copper	ppm	5	5	2	6
Lead	ppm	1	<1	0	<1
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	3	2	2	5
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	141	127	115	133
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1622	1591	1338	1486
Magnesium	ppm	647	701	653	617
Zinc	ppm	832	809	741	788
Phosphorus	ppm	647	618	672	620
Barium	ppm	2	0	0	1
Boron	ppm	163	110	264	208

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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: LATSCU
Unique No: 10603071
Signed: Wes Davis
Report Date: 14 Aug 2023



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GRAPHS

