



CONSTRUCTION EQUIPMENT

A11327 VOLVO L120H 633139 - DIESEL ENGINE



Sample No: VCP430671
Oil Type: MOBIL 15W40
Job No: A11327



SAMPLE INFORMATION

Sample Number	VCP430671	VCP421860	VCP425968	VCP421036
Sample Date	23 Oct 2023	22 Aug 2023	12 Jul 2023	13 Jun 2023
Machine Hours	3630	3210	2950	2750
Oil Hours	250	250	250	250
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

GOURMETS DELIGHT

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 AVONDALE, PA
 US 19311
 Contact: GABE VALENTINO
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OIL CONDITION

Visc @ 100°C	cSt	13.1	13.6	13.6	13.7
Base Number (BN)	mg KOH/g	7.4	7.8	7.6	7.1
Oxidation (PA)	%	43	41	40	44

CONTAMINATION

Soot %	%	0.2	0.2	0.1	0.2
Nitration (PA)	%	55	51	50	51
Sulfation (PA)	%	47	44	44	46
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	3	3
Sodium	ppm	2	2	<1	0
Potassium	ppm	0	<1	2	0

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	8	5	4	4
Copper	ppm	<1	<1	1	0
Lead	ppm	0	0	<1	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	2	4	2	2
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	24	29	19	12
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1853	1972	2167	2169
Magnesium	ppm	346	394	247	108
Zinc	ppm	1146	1179	1208	1059
Phosphorus	ppm	821	996	992	879
Barium	ppm	0	0	0	0
Boron	ppm	11	12	9	7

Depot: GOUAVO
Unique No: 10711597
Signed: Wes Davis
Report Date: 26 Oct 2023



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VOLVO GRAPHS

