



CONSTRUCTION EQUIPMENT

A10938 VOLVO L120H 633139 - DIESEL ENGINE



Sample No: VCP421860
Oil Type: MOBIL 15W40
Job No: A10938



SAMPLE INFORMATION

Sample Number	VCP421860	VCP425968	VCP421036	VCP420756
Sample Date	22 Aug 2023	12 Jul 2023	13 Jun 2023	12 May 2023
Machine Hours	3210	2950	2750	2530
Oil Hours	250	250	250	250
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

GOURMETS DELIGHT

PO BOX 160
 AVONDALE, PA
 US 19311
 Contact: GABE VALENTINO
 gabe.valentino@gourmetsfinest.com
 T: (610)268-3578
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OIL CONDITION

Visc @ 100°C	cSt	13.6	13.6	13.7	13.7
Base Number (BN)	mg KOH/g	7.8	7.6	7.1	7.2
Oxidation (PA)	%	41	40	44	39



CONTAMINATION

Soot %	%	0.2	0.1	0.2	0.1
Nitration (PA)	%	51	50	51	53
Sulfation (PA)	%	44	44	46	45
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	3	3	4
Sodium	ppm	2	<1	0	1
Potassium	ppm	<1	2	0	3



WEAR METALS

Iron	ppm	5	4	4	4
Copper	ppm	<1	1	0	<1
Lead	ppm	0	<1	0	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	4	2	2	0
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	29	19	12	14
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1972	2167	2169	2152
Magnesium	ppm	394	247	108	147
Zinc	ppm	1179	1208	1059	1135
Phosphorus	ppm	996	992	879	906
Barium	ppm	0	0	0	0
Boron	ppm	12	9	7	7

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: GOUAVO
Unique No: 10648361
Signed: Wes Davis
Report Date: 18 Sep 2023

VOLVO **GRAPHS**

