



CONSTRUCTION EQUIPMENT

A10673 VOLVO L120H 633139 - DIESEL ENGINE



Sample No: VCP425968
Oil Type: MOBIL 15W40
Job No: A10673



SAMPLE INFORMATION

Sample Number	VCP425968	VCP421036	VCP420756	VCP410788
Sample Date	12 Jul 2023	13 Jun 2023	12 May 2023	04 Apr 2023
Machine Hours	2950	2750	2530	2260
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
 F: (610)268-2298



OIL CONDITION

Visc @ 100°C	cSt	13.6	13.7	13.7	13.4
Base Number (BN)	mg KOH/g	7.6	7.1	7.2	7.6
Oxidation (PA)	%	40	44	39	39



CONTAMINATION

Soot %	%	0.1	0.2	0.1	0.2
Nitration (PA)	%	50	51	53	52
Sulfation (PA)	%	44	46	45	45
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	3	4	3
Sodium	ppm	<1	0	1	<1
Potassium	ppm	2	0	3	0



WEAR METALS

Iron	ppm	4	4	4	4
Copper	ppm	1	0	<1	0
Lead	ppm	<1	0	0	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	2	2	0	<1
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	19	12	14	17
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2167	2169	2152	2012
Magnesium	ppm	247	108	147	223
Zinc	ppm	1208	1059	1135	1052
Phosphorus	ppm	992	879	906	880
Barium	ppm	0	0	0	0
Boron	ppm	9	7	7	5

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: 10559742
Signed: Wes Davis
Report Date: 16 Jul 2023



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GRAPHS

