



CONSTRUCTION EQUIPMENT

A11839 VOLVO L120H 633139 - DIESEL ENGINE



Sample No: VCP428751
Oil Type: MOBIL 15W40
Job No: A11839



SAMPLE INFORMATION

Sample Number	VCP428751	VCP430671	VCP421860	VCP425968
Sample Date	05 Dec 2023	23 Oct 2023	22 Aug 2023	12 Jul 2023
Machine Hours	4190	3630	3210	2950
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	13.3	13.1	13.6	13.6
Base Number (BN)	mg KOH/g	6.9	7.4	7.8	7.6
Oxidation (PA)	%	37	43	41	40



CONTAMINATION

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



WEAR METALS

Iron	ppm	3	8	5	4
Copper	ppm	<1	<1	<1	1
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	2	2	4	2
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	8	24	29	19
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	<1	<1	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2076	1853	1972	2167
Magnesium	ppm	115	346	394	247
Zinc	ppm	1072	1146	1179	1208
Phosphorus	ppm	932	821	996	992
Barium	ppm	0	0	0	0
Boron	ppm	7	11	12	9

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: 10836336
Signed: Wes Davis
Report Date: 19 Jan 2024



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GRAPHS

