



CONSTRUCTION EQUIPMENT

A11386 VOLVO L120H 633047 - DIESEL ENGINE



Sample No: VCP430934
Oil Type: MOBIL 15W40
Job No: A11386



SAMPLE INFORMATION

Sample Number	VCP430934	VCP356333	VCP414309	VCP425962
Sample Date	01 Nov 2023	31 Aug 2023	14 Jul 2023	26 May 2023
Machine Hours	3400	3065	2855	2678
Oil Hours	250	250	500	0
Oil Changed	Changed	Changed	Changed	N/A
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	12.9	13.3	13.2	13.4
Base Number (BN)	mg KOH/g	7.6	8.2	10.1	7.5
Oxidation (PA)	%	43	45	70	39



CONTAMINATION

Soot %	%	0.3	0.2	0.2	0.1
Nitration (PA)	%	54	49	49	52
Sulfation (PA)	%	47	45	57	45
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	3	4	3
Sodium	ppm	<1	2	2	0
Potassium	ppm	2	<1	0	1



WEAR METALS

Iron	ppm	8	5	7	4
Copper	ppm	2	1	1	2
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	6	8	9	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	25	28	36	14
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	1788	1881	1879	2250
Magnesium	ppm	306	377	468	148
Zinc	ppm	1090	1106	1210	1137
Phosphorus	ppm	924	925	1005	940
Barium	ppm	7	0	0	0
Boron	ppm	11	16	47	6

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: 10737788
Signed: Wes Davis
Report Date: 10 Nov 2023



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GRAPHS

