



CONSTRUCTION EQUIPMENT

11965 VOLVO L120H 633047 - DIESEL ENGINE



Sample No: VCP444086
Oil Type: MOBIL 15W40
Job No: 11965



SAMPLE INFORMATION

Sample Number	VCP444086	VCP441983	VCP434167	VCP430934
Sample Date	07 Feb 2024	04 Jan 2024	07 Dec 2023	01 Nov 2023
Machine Hours	4177	3925	3690	3400
Oil Hours	0	250	250	250
Oil Changed	N/A	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	13.3	13.3	13.2	12.9
Base Number (BN)	mg KOH/g	6.9	7.0	7.2	7.6
Oxidation (PA)	%	37	37	39	43



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.2	0.2	0.3
Nitration (PA)	%	52	51	53	54
Sulfation (PA)	%	45	45	45	47
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	2	3	4	3
Sodium	ppm	<1	0	<1	<1
Potassium	ppm	0	2	2	2



WEAR METALS

Iron	ppm	3	5	5	8
Copper	ppm	0	0	<1	2
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	4	4	6
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	6	6	10	25
Nickel	ppm	0	<1	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	0
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	2191	2033	2005	1788
Magnesium	ppm	87	115	148	306
Zinc	ppm	1078	1103	1057	1090
Phosphorus	ppm	944	922	876	924
Barium	ppm	0	0	0	7
Boron	ppm	8	9	8	11

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: 10873261
Signed: Wes Davis
Report Date: 13 Feb 2024

VOLVO **GRAPHS**

