



CONSTRUCTION EQUIPMENT

A12575 VOLVO L120H 633530 - DIESEL ENGINE



Sample No: VCP399915
Oil Type: MOBIL 15W40
Job No: A12575



SAMPLE INFORMATION

Sample Number	VCP399915	VCP440474	VCP439486	VCP433780
Sample Date	22 May 2024	03 Apr 2024	31 Jan 2024	07 Dec 2023
Machine Hours	1000	780	505	270
Oil Hours	250	250	0	270
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

GOURMETS DELIGHT

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 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	13.0	12.8	12.1
Base Number (BN)	mg KOH/g	8.0	10.2	7.6	10.4
Oxidation (PA)	%	45	71	41	70

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.



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	53	52	50	48
Sulfation (PA)	%	46	57	45	58
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	0.3
Silicon	ppm	5	4	5	13
Sodium	ppm	2	2	0	3
Potassium	ppm	3	0	2	3



WEAR METALS

Iron	ppm	6	6	8	15
Copper	ppm	3	3	5	11
Lead	ppm	<1	<1	2	2
Tin	ppm	1	0	2	2
Aluminum	ppm	3	4	6	47
Chromium	ppm	<1	<1	1	3
Molybdenum	ppm	10	28	13	35
Nickel	ppm	<1	0	1	0
Titanium	ppm	25	0	1	<1
Silver	ppm	1	0	<1	<1
Manganese	ppm	<1	<1	2	2
Vanadium	ppm	<1	<1	<1	0



ADDITIVES

Calcium	ppm	1957	1805	2053	1389
Magnesium	ppm	226	408	168	576
Zinc	ppm	1093	995	1100	1068
Phosphorus	ppm	900	926	906	856
Barium	ppm	<1	0	3	27
Boron	ppm	52	40	19	61

Depot: GOUAVO
Unique No: 11048560
Signed: Wes Davis
Report Date: 29 May 2024



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GRAPHS

