



CONSTRUCTION EQUIPMENT

A12372 VOLVO L120H 633530 - DIESEL ENGINE



Sample No: VCP440474
Oil Type: MOBIL 15W40
Job No: A12372



SAMPLE INFORMATION

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

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

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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	---
Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	52	50	48	---
Sulfation (PA)	%	57	45	58	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	0.3	---
Silicon	ppm	4	5	13	---
Sodium	ppm	2	0	3	---
Potassium	ppm	0	2	3	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	1805	2053	1389	---
Magnesium	ppm	408	168	576	---
Zinc	ppm	995	1100	1068	---
Phosphorus	ppm	926	906	856	---
Barium	ppm	0	3	27	---
Boron	ppm	40	19	61	---

Depot: GOUAVO
Unique No: 10968725
Signed: Wes Davis
Report Date: 11 Apr 2024



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GRAPHS

