



CONSTRUCTION EQUIPMENT

5849-2 VOLVO L70H 623 186 - DIESEL ENGINE



Sample No: VCP415796
Oil Type: MOBIL 15W40
Job No: 5849-2



SAMPLE INFORMATION

Sample Number	VCP415796	VCP344979	VCP319649	---
Sample Date	29 Dec 2023	27 Sep 2022	28 Dec 2021	---
Machine Hours	3414	2463	1933	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

MCCLUNG-LOGAN EQUIPMENT CO - SALEM
 2025 COOK DRIVE
 SALEM, VA
 US 24153
 Contact: HUNTER TRIVELLIN
 ttrivellin@mcclung-logan.com
 T: (540)553-1171
 F:



OIL CONDITION

Visc @ 100°C	cSt	13.0	12.3	13.4	---
Base Number (BN)	mg KOH/g	9.3	10.7	10.8	---
Oxidation (PA)	%	71	85	86	---

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	---
Soot %	%	0.2	0.3	0.5	---
Nitration (PA)	%	59	66	76	---
Sulfation (PA)	%	57	67	64	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	2.3	<1.0	---
Silicon	ppm	7	6	8	---
Sodium	ppm	2	2	2	---
Potassium	ppm	0	0	0	---



WEAR METALS

Iron	ppm	36	8	23	---
Copper	ppm	<1	24	3	---
Lead	ppm	<1	2	<1	---
Tin	ppm	<1	2	1	---
Aluminum	ppm	4	0	14	---
Chromium	ppm	<1	<1	2	---
Molybdenum	ppm	51	35	39	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1851	1621	1649	---
Magnesium	ppm	610	466	525	---
Zinc	ppm	1304	979	1108	---
Phosphorus	ppm	1112	862	922	---
Barium	ppm	0	0	0	---
Boron	ppm	61	39	51	---

Depot: VOLVO9010
Unique No: 10820500
Signed: Wes Davis
Report Date: 09 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

