



CONSTRUCTION EQUIPMENT

WO7013061 VOLVO L60H 622656 - DIESEL ENGINE



Sample No: VCP407218
Oil Type: MOBIL 15W40
Job No: WO7013061



SAMPLE INFORMATION

Sample Number	VCP407218	VCP396700	VCP372929	---
Sample Date	02 Aug 2023	10 Feb 2023	26 Jul 2022	---
Machine Hours	2346	1522	506	---
Oil Hours	500	1000	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

McClung-Logan Virginia LLC- RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
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OIL CONDITION

Visc @ 100°C	cSt	13.3	13.3	12.8	---
Base Number (BN)	mg KOH/g	6.6	7.6	11.5	---
Oxidation (PA)	%	49	75	78	---



CONTAMINATION

Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	68	81	55	---
Sulfation (PA)	%	48	55	63	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	7	18	---
Sodium	ppm	2	3	2	---
Potassium	ppm	2	<1	0	---

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.



WEAR METALS

Iron	ppm	25	31	40	---
Copper	ppm	3	8	8	---
Lead	ppm	<1	1	2	---
Tin	ppm	<1	1	2	---
Aluminum	ppm	3	4	20	---
Chromium	ppm	1	2	5	---
Molybdenum	ppm	70	55	39	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	1	4	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	2426	1290	1534	---
Magnesium	ppm	127	773	559	---
Zinc	ppm	1389	934	1063	---
Phosphorus	ppm	1123	693	882	---
Barium	ppm	0	<1	0	---
Boron	ppm	38	34	72	---

Depot: VOLVO8882
Unique No: 10603834
Signed: Wes Davis
Report Date: 15 Aug 2023



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GRAPHS

