



CONSTRUCTION EQUIPMENT

134249 VOLVO A40G 352811 - DIESEL ENGINE



Sample No: VCP433909
Oil Type: NOT GIVEN
Job No: 134249



SAMPLE INFORMATION

Sample Number	VCP433909	VCP416976	VCP408768	VCP410521
Sample Date	06 Sep 2023	10 Jul 2023	15 May 2023	24 Mar 2023
Machine Hours	5919	5448	4955	4491
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE
 14242 S SH-34
 SCURRY, TX
 US 75158
 Contact: WALLACE WARREN
 wallace.warren@lafargeholcim.com
 T:
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OIL CONDITION

Visc @ 100°C	cSt	12.1	12.5	11.9	12.2
Base Number (BN)	mg KOH/g	6.3	8.1	6.6	8.5
Oxidation (PA)	%	76	68	80	68



CONTAMINATION

Soot %	%	0.2	0.2	0.2	0.1
Nitration (PA)	%	76	63	80	63
Sulfation (PA)	%	64	63	68	65
Glycol	%	NEG	NEG	NEG	0.0
Fuel	%	<1.0	<1.0	<1.0	1.9
Silicon	ppm	6	5	7	7
Sodium	ppm	29	21	114	120
Potassium	ppm	17	12	63	65



WEAR METALS

Iron	ppm	7	4	8	0
Copper	ppm	2	1	3	3
Lead	ppm	0	0	<1	<1
Tin	ppm	1	<1	<1	0
Aluminum	ppm	4	4	2	2
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	129	131	133	139
Nickel	ppm	1	1	4	3
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1602	1643	1594	1492
Magnesium	ppm	682	724	652	615
Zinc	ppm	788	884	806	805
Phosphorus	ppm	633	742	602	698
Barium	ppm	0	<1	0	0
Boron	ppm	154	278	172	331

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: LATSCU
Unique No: 10662261
Signed: Jonathan Hester
Report Date: 28 Sep 2023



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GRAPHS

