



CONSTRUCTION EQUIPMENT

134802 VOLVO A40G 352811 - DIESEL ENGINE



Sample No: VCP431225

Oil Type: NOT GIVEN

Job No: 134802



SAMPLE INFORMATION

Sample Number	VCP431225	VCP433909	VCP416976	VCP408768
Sample Date	06 Nov 2023	06 Sep 2023	10 Jul 2023	15 May 2023
Machine Hours	6298	5919	5448	4955
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL



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



OIL CONDITION

Visc @ 100°C	cSt	12.4	12.1	12.5	11.9
Base Number (BN)	mg KOH/g	8.5	6.3	8.1	6.6
Oxidation (PA)	%	68	76	68	80



CONTAMINATION

Soot %	%	0.1	0.2	0.2	0.2
Nitration (PA)	%	59	76	63	80
Sulfation (PA)	%	64	64	63	68
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	6	5	7
Sodium	ppm	10	29	21	114
Potassium	ppm	5	17	12	63



WEAR METALS

Iron	ppm	5	7	4	8
Copper	ppm	<1	2	1	3
Lead	ppm	0	0	0	<1
Tin	ppm	0	1	<1	<1
Aluminum	ppm	4	4	4	2
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	118	129	131	133
Nickel	ppm	1	1	1	4
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1502	1602	1643	1594
Magnesium	ppm	669	682	724	652
Zinc	ppm	860	788	884	806
Phosphorus	ppm	700	633	742	602
Barium	ppm	0	0	<1	0
Boron	ppm	301	154	278	172

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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: 10736461
Signed: Sean Felton
Report Date: 10 Nov 2023



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GRAPHS

