



CONSTRUCTION EQUIPMENT

133669 VOLVO A40G 352811 - DIESEL ENGINE



Sample No: VCP416976

Oil Type: NOT GIVEN

Job No: 133669



SAMPLE INFORMATION

Sample Number	VCP416976	VCP408768	VCP410521	VCP411315
Sample Date	10 Jul 2023	15 May 2023	24 Mar 2023	23 Jan 2023
Machine Hours	5448	4955	4491	4004
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	ABNORMAL	ABNORMAL	SEVERE



LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE
 14242 S SH-34
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OIL CONDITION

Visc @ 100°C	cSt	12.5	11.9	12.2	12.2
Base Number (BN)	mg KOH/g	8.1	6.6	8.5	8.2
Oxidation (PA)	%	68	80	68	71



CONTAMINATION

Soot %	%	0.2	0.2	0.1	0.2
Nitration (PA)	%	63	80	63	73
Sulfation (PA)	%	63	68	65	66
Glycol	%	NEG	NEG	0.0	0.10
Fuel	%	<1.0	<1.0	1.9	<1.0
Silicon	ppm	5	7	7	8
Sodium	ppm	21	114	120	399
Potassium	ppm	12	63	65	175



WEAR METALS

Iron	ppm	4	8	0	9
Copper	ppm	1	3	3	6
Lead	ppm	0	<1	<1	<1
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	4	2	2	5
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	131	133	139	145
Nickel	ppm	1	4	3	3
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1643	1594	1492	1428
Magnesium	ppm	724	652	615	658
Zinc	ppm	884	806	805	780
Phosphorus	ppm	742	602	698	645
Barium	ppm	<1	0	0	0
Boron	ppm	278	172	331	239

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: 10566563
Signed: Wes Davis
Report Date: 24 Jul 2023



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VOLVO GRAPHS

