



CONSTRUCTION EQUIPMENT

133991 VOLVO A40G 3528 10 - DIESEL ENGINE



Sample No: VCP410090

Oil Type: NOT GIVEN

Job No: 133991



SAMPLE INFORMATION

Sample Number	VCP410090	VCP418919	VCP410111	VCP383286
Sample Date	04 Aug 2023	05 Jun 2023	10 Apr 2023	20 Feb 2023
Machine Hours	5500	4941	4420	4017
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE
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OIL CONDITION

Visc @ 100°C	cSt	12.7	12.1	12.2	12.2
Base Number (BN)	mg KOH/g	8.2	6.8	7.8	7.7
Oxidation (PA)	%	69	80	66	71



CONTAMINATION

Soot %	%	0.1	0.2	0.1	0.1
Nitration (PA)	%	63	81	58	69
Sulfation (PA)	%	64	67	58	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	7	5	7
Sodium	ppm	0	2	<1	0
Potassium	ppm	6	1	0	1



WEAR METALS

Iron	ppm	4	6	4	6
Copper	ppm	2	3	2	6
Lead	ppm	<1	0	0	<1
Tin	ppm	0	1	0	<1
Aluminum	ppm	3	6	2	6
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	138	129	109	135
Nickel	ppm	0	1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	1629	1566	1268	1508
Magnesium	ppm	654	683	589	628
Zinc	ppm	857	838	701	821
Phosphorus	ppm	711	673	631	676
Barium	ppm	2	0	0	<1
Boron	ppm	271	175	275	291

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: 10603073
Signed: Wes Davis
Report Date: 14 Aug 2023



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GRAPHS

