



CONSTRUCTION EQUIPMENT

SWO-063669 VOLVO A60H A60H 340102 - DIESEL ENGINE



Sample No: VCP412977
Oil Type: NOT GIVEN
Job No: SWO-063669



SAMPLE INFORMATION

Sample Number	VCP412977	VCP419722	VCP393473	VCP389198
Sample Date	11 Jul 2023	30 Mar 2023	15 Dec 2022	14 Sep 2022
Machine Hours	8821	8292	7821	7310
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC
4400 LEWISBURG RD
BIRMINGHAM, AL
US 35207
Contact: STEPHANI BRITTON
sbritton@saiia.com;doug.bogart@wearcheck.com
T: (205)943-2268
F: (205)943-2269



OIL CONDITION

Visc @ 100°C	cSt	13.3	13.08	13.3	13.1
Base Number (BN)	mg KOH/g	9.1	9.2	10.8	7.0
Oxidation (PA)	%	85	83	88	85



CONTAMINATION

Soot %	%	0.7	0.5	0.5	0.9
Nitration (PA)	%	75	73	76	100
Sulfation (PA)	%	65	64	68	71
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	6	5	8
Sodium	ppm	6	6	4	22
Potassium	ppm	<1	1	2	4



WEAR METALS

Iron	ppm	13	11	12	23
Copper	ppm	1	1	2	12
Lead	ppm	<1	<1	<1	5
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	5	3	1	5
Chromium	ppm	<1	<1	<1	2
Molybdenum	ppm	40	42	40	40
Nickel	ppm	<1	<1	0	3
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	1689	1684	1618	1533
Magnesium	ppm	524	506	498	636
Zinc	ppm	1141	1110	1011	1042
Phosphorus	ppm	922	903	845	775
Barium	ppm	0	0	0	0
Boron	ppm	29	43	32	18

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 acceptable for the time in service.

Depot: SAIBIR
Unique No: 10559728
Signed: Don Baldrige
Report Date: 17 Jul 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

