



CONSTRUCTION EQUIPMENT

VOLVO A40G 352349 - DIESEL ENGINE



Sample No: VCP402319
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP402319	VCP342183	VCP406833	VCP406799
Sample Date	19 Jul 2023	06 Jun 2023	02 May 2023	22 Mar 2023
Machine Hours	5478	5215	4995	4695
Oil Hours	263	220	300	232
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SCHILDBERG CONSTRUCTION COMPANY
 PO BOX 358
 GREENFIELD, IA
 US 50849
 Contact: SCOTT ARMSTRONG
 sarmstrong@schildberg.com
 T: (641)743-8237
 F: (641)743-2486



OIL CONDITION

Visc @ 100°C	cSt	12.5	12.7	12.8	12.4
Base Number (BN)	mg KOH/g	10.0	9.9	8.8	10.5
Oxidation (PA)	%	80	80	74	76



CONTAMINATION

Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	53	53	52	53
Sulfation (PA)	%	60	61	55	58
Glycol	%	NEG	NEG	NEG	0.0
Fuel	%	<1.0	<1.0	<1.0	0.3
Silicon	ppm	2	4	5	0
Sodium	ppm	3	15	22	96
Potassium	ppm	4	6	9	39



WEAR METALS

Iron	ppm	2	3	4	4
Copper	ppm	<1	<1	<1	1
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	<1	<1	2	2
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	43	40	41	44
Nickel	ppm	<1	2	<1	2
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	1681	1620	1775	1792
Magnesium	ppm	483	491	540	583
Zinc	ppm	896	910	914	1011
Phosphorus	ppm	777	751	798	856
Barium	ppm	2	0	0	0
Boron	ppm	57	55	53	39

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: SCHGRE
Unique No: 10586127
Signed: Wes Davis
Report Date: 03 Aug 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

