



CONSTRUCTION EQUIPMENT

VOLVO A40G 352026 - DIESEL ENGINE



Sample No: VCP395129
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP395129	VCP341879	VCP402955	VCP400068
Sample Date	30 Oct 2023	09 Oct 2023	29 Aug 2023	19 Jul 2023
Machine Hours	9458	9322	9029	8711
Oil Hours	136	293	318	182
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	13.0	12.7	12.3	12.6
Base Number (BN)	mg KOH/g	7.4	7.2	10.0	10.2
Oxidation (PA)	%	59	62	81	80



CONTAMINATION

Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	65	64	55	50
Sulfation (PA)	%	49	50	61	60
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	0.4	<1.0
Silicon	ppm	6	5	5	2
Sodium	ppm	2	5	4	1
Potassium	ppm	<1	2	1	3



WEAR METALS

Iron	ppm	1	3	4	3
Copper	ppm	<1	0	0	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	3	4	1	<1
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	115	100	37	42
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1274	1353	1637	1646
Magnesium	ppm	686	611	514	470
Zinc	ppm	901	881	855	865
Phosphorus	ppm	727	743	717	760
Barium	ppm	0	0	2	2
Boron	ppm	126	99	48	62

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: 10736459
Signed: Sean Felton
Report Date: 10 Nov 2023

VOLVO GRAPHS

