



CONSTRUCTION EQUIPMENT

VOLVO A40G 342252 - REAR AXLE



Sample No: VCP392515
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP392515	VCP406831	VCP385076	VCP366575
Sample Date	29 Aug 2023	22 Mar 2023	13 Feb 2023	25 Aug 2022
Machine Hours	10867	9960	9801	9083
Oil Hours	907	877	718	935
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	ABNORMAL	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 @ 40°C	cSt	132	133	133	139
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CONTAMINATION

Water	%	0.085	---	---	---
Silicon	ppm	4	4	4	6
Sodium	ppm	0	<1	<1	0
Potassium	ppm	<1	0	0	<1



WEAR METALS

Iron	ppm	20	18	22	15
Copper	ppm	<1	<1	0	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	0	<1	0	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	346	385	408	262
Magnesium	ppm	5	9	12	6
Zinc	ppm	138	135	133	97
Phosphorus	ppm	972	963	906	991
Barium	ppm	2	0	0	0
Boron	ppm	150	175	175	188

Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. High concentration of visible metal present. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: SCHGRE
Unique No: 10688085
Signed: Don Baldrige
Report Date: 13 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

