



CONSTRUCTION EQUIPMENT

VOLVO A40G 353407 - REAR AXLE



Sample No: VCP435448
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP435448	VCP416821	VCP341894	VCP312571
Sample Date	29 Apr 2024	25 Feb 2024	14 Dec 2023	03 Oct 2023
Machine Hours	1863	1268	997	504
Oil Hours	595	871	600	504
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	ATTENTION	ATTENTION	ABNORMAL

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	129	52.4	52.3	52.4
-------------	-----	------------	------	------	------



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	15	1	3
Sodium	ppm	0	3	<1	0
Potassium	ppm	0	7	5	6

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	59	275	87	166
Copper	ppm	0	2	0	2
Lead	ppm	0	<1	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	0	2	0	1
Chromium	ppm	<1	4	<1	2
Molybdenum	ppm	3	5	0	4
Nickel	ppm	0	1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	3	12	6	9
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	209	18	16	14
Magnesium	ppm	15	2	<1	<1
Zinc	ppm	89	4	10	0
Phosphorus	ppm	1100	2262	2308	2284
Barium	ppm	0	0	0	0
Boron	ppm	203	264	262	303

Depot: SCHGRE
Unique No: 11018990
Signed: Wes Davis
Report Date: 09 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS

