



CONSTRUCTION EQUIPMENT

4143HS MACMOL VOLVO A40D 12682 - REAR AXLE



Sample No: VCP421982
Oil Type: GEAR OIL SAE 80W140
Job No: 4143HS MACMOL



SAMPLE INFORMATION

Sample Number	VCP421982	VC310173	---	---
Sample Date	11 Aug 2023	18 Sep 2008	---	---
Machine Hours	14321	3034	---	---
Oil Hours	0	624	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---

HIGHWAY EQUIPMENT & SUPPLY CO MAIN
 PO BOX 1957
 HARRISBURG, PA
 US 17105
 Contact: CHAD HERRON



OIL CONDITION

Visc @ 40°C	cSt	248	279.0	---	---
-------------	-----	------------	-------	-----	-----

T: 7(175)643-3031
 F: (717)564-3568



CONTAMINATION

Silicon	ppm	3	4	---	---
Sodium	ppm	3	1	---	---
Potassium	ppm	0	0	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W140. Please confirm.



WEAR METALS

Iron	ppm	9	169	---	---
Copper	ppm	<1	8	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	0	5	---	---
Molybdenum	ppm	0	3	---	---
Nickel	ppm	0	2	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	8	---	---
Vanadium	ppm	0	0	---	---

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.



ADDITIVES

Calcium	ppm	96	186	---	---
Magnesium	ppm	3	4	---	---
Zinc	ppm	17	95	---	---
Phosphorus	ppm	1486	865	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	271	47	---	---

Depot: VOLVO0025
Unique No: 10615322
Signed: Wes Davis
Report Date: 22 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

