



CONSTRUCTION EQUIPMENT

125204 VOLVO A40G 342574 - BOGIE/CENTER AXLE



Sample No: VCP368431
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 125204



SAMPLE INFORMATION

Sample Number	VCP368431	VCP326583	VCP305213	VCP279499
Sample Date	06 Dec 2022	24 Sep 2021	25 Feb 2021	13 Oct 2020
Machine Hours	5696	4288	3528	2953
Oil Hours	0	0	500	1000
Oil Changed	N/A	Changed	Not Changd	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
 JIM.STRIGLE@ALTG.COM
 T: (315)437-2611
 F: (315)434-9471



OIL CONDITION

Visc @ 40°C	cSt	52.2	143	144	162
-------------	-----	-------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	▲ 74	2	2	2
Sodium	ppm	6	<1	0	0
Potassium	ppm	<1	3	<1	0

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil viscosity is lower than normal. Confirm oil type.



WEAR METALS

Iron	ppm	122	31	27	32
Copper	ppm	4	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	15	0	0	0
Chromium	ppm	1	<1	<1	<1
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	0	<1	<1	0
Titanium	ppm	2	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	119	<1	11	19
Magnesium	ppm	5	0	0	<1
Zinc	ppm	52	0	0	0
Phosphorus	ppm	2367	942	1006	957
Barium	ppm	0	0	0	0
Boron	ppm	264	226	194	209

Depot: VOLV00142
Unique No: 10255046
Signed: Jonathan Hester
Report Date: 14 Dec 2022



CONSTRUCTION EQUIPMENT



GRAPHS

