



CONSTRUCTION EQUIPMENT

VOLVO A40G 342110 - REAR AXLE



Sample No: VCP418637
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No:



SAMPLE INFORMATION

Sample Number	VCP418637	VCP317114	VCP300326	VCP279704
Sample Date	16 Aug 2023	26 Jul 2021	11 Jan 2021	29 Jul 2020
Machine Hours	7194	3926	3210	2406
Oil Hours	1000	3926	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT
 5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JOSH GAVIN

OIL CONDITION

Visc @ 40°C	cSt	54.2	53.7	52.9	53.2
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T: (585)344-1931
 F: (315)437-8558

CONTAMINATION

Silicon	ppm	2	3	2	2
Sodium	ppm	<1	2	2	1
Potassium	ppm	<1	0	6	0

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	126	465	244	72
Copper	ppm	1	3	2	1
Lead	ppm	0	<1	0	2
Tin	ppm	0	<1	0	0
Aluminum	ppm	0	1	<1	<1
Chromium	ppm	2	7	4	<1
Molybdenum	ppm	0	7	2	0
Nickel	ppm	<1	1	<1	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	4	12	7	3
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	21	37	24	19
Magnesium	ppm	3	3	2	<1
Zinc	ppm	4	21	11	11
Phosphorus	ppm	2801	2392	2500	2386
Barium	ppm	0	0	0	0
Boron	ppm	300	350	254	255

Depot: VOLVO0142
Unique No: 10615325
Signed: Sean Felton
Report Date: 23 Aug 2023



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GRAPHS

