



CONSTRUCTION EQUIPMENT

VOLVO A45G 342545 - REAR AXLE



Sample No: VCP0007971
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP0007971	VCP334702	VCP297909	VCP296131
Sample Date	06 Jul 2023	04 Aug 2021	04 Aug 2021	24 Dec 2020
Machine Hours	0	4102	4102	3126
Oil Hours	0	1500	2000	1000
Oil Changed	N/A	Not Changd	Changed	Not Changd
Sample Status	ATTENTION	ATTENTION	ATTENTION	ATTENTION

QGS - QUALITY GRASSES SERV/TCF LEASING
 17502 CR 672
 LITHIA, FL
 US 33547
 Contact: GARY ROGERS
 grogers@qgsdevelopment.com
 T: (813)323-4119
 F:

OIL CONDITION

Visc @ 40°C	cSt	▲ 287	▲ 276	▲ 53.5	▲ 53.6
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CONTAMINATION

Silicon	ppm	■ 7	■ 1	■ 10	■ 3
Sodium	ppm	■ 0	■ 0	■ 3	■ 3
Potassium	ppm	■ <1	■ 0	■ 0	■ 17

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 oil viscosity is higher than normal. Confirm oil type.

WEAR METALS

Iron	ppm	■ 124	■ 107	■ 181	■ 136
Copper	ppm	■ 1	■ 1	■ 4	■ 3
Lead	ppm	■ 0	■ 0	■ 0	■ 1
Tin	ppm	■ 0	■ 0	■ 0	■ 0
Aluminum	ppm	■ 0	■ 0	■ 1	■ <1
Chromium	ppm	■ 2	■ 2	■ 1	■ 1
Molybdenum	ppm	■ 5	■ 3	■ 2	■ 3
Nickel	ppm	■ <1	■ <1	■ <1	■ <1
Titanium	ppm	0	0	<1	0
Silver	ppm	<1	0	0	0
Manganese	ppm	■ 3	■ 3	■ 6	■ 5
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	■ 146	■ 113	■ 91	■ 112
Magnesium	ppm	■ 38	■ 6	■ 0	■ 0
Zinc	ppm	■ 82	■ 54	■ 32	■ 36
Phosphorus	ppm	■ 1025	■ 927	■ 2069	■ 2384
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 219	■ 158	■ 129	■ 185

Depot: QUALITFL
Unique No: 10549863
Signed: Sean Felton
Report Date: 11 Jul 2023



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GRAPHS

