



CONSTRUCTION EQUIPMENT

VOLVO A45G 342539 - REAR AXLE



Sample No: VCP0007582
Oil Type: GEAR OIL SAE 80W140
Job No:



SAMPLE INFORMATION

Sample Number	VCP0007582	VCP331626	VCP305153	VCP276627
Sample Date	06 Jul 2023	01 Dec 2021	15 Mar 2021	05 May 2020
Machine Hours	0	4272	3145	1920
Oil Hours	0	2000	1000	1920
Oil Changed	N/A	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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	274	259	265	▲ 51.2
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CONTAMINATION

Silicon	ppm	5	2	2	2
Sodium	ppm	0	0	<1	4
Potassium	ppm	1	0	<1	0



WEAR METALS

Iron	ppm	53	43	74	192
Copper	ppm	<1	2	<1	3
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	0	<1
Chromium	ppm	<1	<1	1	2
Molybdenum	ppm	3	2	2	8
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	11	0	0
Manganese	ppm	2	1	2	6
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	58	412	371	134
Magnesium	ppm	9	10	10	0
Zinc	ppm	93	200	173	60
Phosphorus	ppm	984	1036	993	2158
Barium	ppm	0	0	0	0
Boron	ppm	180	141	150	214

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.

Depot: QUALITFL
Unique No: 10549887
Signed: Sean Felton
Report Date: 11 Jul 2023



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GRAPHS

