



CONSTRUCTION EQUIPMENT

VOLVO A45G 342538 - FRONT AXLE



Sample No: VCP0007978
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP0007978	VCP360233	VCP320493	VCP275733
Sample Date	06 Jul 2023	12 Apr 2022	03 Aug 2021	27 Apr 2020
Machine Hours	0	5233	4214	2052
Oil Hours	0	1000	1500	2052
Oil Changed	N/A	Not Chngd	Changed	Changed
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

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

OIL CONDITION

Visc @ 40°C	cSt	178	290	297	288
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CONTAMINATION

Silicon	ppm	15	4	2	4
Sodium	ppm	0	<1	0	<1
Potassium	ppm	2	0	0	13

WEAR METALS

Iron	ppm	104	181	34	58
Copper	ppm	<1	1	<1	<1
Lead	ppm	0	0	0	2
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	0	<1
Chromium	ppm	<1	3	<1	1
Molybdenum	ppm	3	6	1	2
Nickel	ppm	<1	2	0	<1
Titanium	ppm	<1	<1	0	<1
Silver	ppm	<1	<1	0	0
Manganese	ppm	1	7	<1	2
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	▲ 3404	138	317	107
Magnesium	ppm	21	39	8	7
Zinc	ppm	▲ 1193	72	131	44
Phosphorus	ppm	1016	975	929	930
Barium	ppm	0	0	0	0
Boron	ppm	▲ 28	166	148	149

Diagnosis
 No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Depot: QUALITFL
Unique No: 10549880
Signed: Sean Felton
Report Date: 11 Jul 2023



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GRAPHS

