



CONSTRUCTION EQUIPMENT

SW1021531 MGC VOLVO SD45 229059 - REAR AXLE



Sample No: VCP417466
Oil Type: GEAR OIL SAE 80W90
Job No: SW1021531 MGC



SAMPLE INFORMATION

Sample Number	VCP417466	---	---	---
Sample Date	25 Jul 2023	---	---	---
Machine Hours	1224	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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 4323 EAST WINSLOW AVENUE
 PHOENIX, AZ
 US 85040
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OIL CONDITION

Visc @ 40°C	cSt	█ 131	---	---	---
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CONTAMINATION

Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 1	---	---	---

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	█ 59	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 6	---	---	---
Vanadium	ppm	█ 0	---	---	---



ADDITIVES

Calcium	ppm	█ 97	---	---	---
Magnesium	ppm	█ 11	---	---	---
Zinc	ppm	█ 87	---	---	---
Phosphorus	ppm	█ 1044	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 105	---	---	---

Depot: VOLVO6174
Unique No: 10579430
Signed: Wes Davis
Report Date: 02 Aug 2023



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VOLVO GRAPHS

