



CONSTRUCTION EQUIPMENT

SW1037980 DIAMOND VOLVO A40D 12032 - REAR AXLE



Sample No: VCP430701
Oil Type: GEAR OIL SAE 80W90
Job No: SW1037980 DIAMOND



SAMPLE INFORMATION

Sample Number	VCP430701	---	---	---
Sample Date	03 Jan 2024	---	---	---
Machine Hours	6905	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

ARNOLD MACHINERY COMPANY
 4323 EAST WINSLOW AVENUE
 PHOENIX, AZ
 US 85040
 Contact: RANDY PRZEKURAT
 randyp@arnoldmachinery.com
 T:
 F: (602)414-1904



OIL CONDITION

Visc @ 40°C	cSt	█ 142	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 19	---	---	---

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	█ 39	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 249	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	█ 113	---	---	---
Phosphorus	ppm	█ 1281	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 216	---	---	---

Depot: VOLVO6174
Unique No: 10842664
Signed: Wes Davis
Report Date: 22 Jan 2024



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GRAPHS

