



CONSTRUCTION EQUIPMENT

SW-35693-2 RIGID BLD VOLVO A45G 352709 - FRONT AXLE



Sample No: VCP454262
Oil Type: GEAR OIL SAE 80W90
Job No: SW-35693-2 RIGID BLD



ARNOLD MACHINERY COMPANY
2975 WEST 2100 SOUTH
SALT LAKE CITY, UT
US 84119
Contact: TONY PAYAN
tpayan@arnoldmachinery.com
T: (801)972-4000
F: (801)975-9434



SAMPLE INFORMATION

Sample Number	VCP454262	---	---	---
Sample Date	04 Jun 2024	---	---	---
Machine Hours	5343	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 132	---	---	---
-------------	-----	-------	-----	-----	-----



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	█ 314	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 5	---	---	---
Molybdenum	ppm	█ 9	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 12	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 120	---	---	---
Magnesium	ppm	█ 1	---	---	---
Zinc	ppm	█ 55	---	---	---
Phosphorus	ppm	█ 453	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 28	---	---	---

Diagnosis

Resample at the next service interval to monitor. Moderate concentration of visible metal present. 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: VOLVO8770
Unique No: 11072507
Signed: Don Baldrige
Report Date: 12 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

