



CONSTRUCTION EQUIPMENT

32383 VOLVO ECR58D 2 10750 - REAR RIGHT FINAL DRIVE



Sample No: VCP446820
Oil Type: GEAR OIL SAE 80W90
Job No: 32383



SAMPLE INFORMATION

Sample Number	VCP446820	---	---	---
Sample Date	03 Apr 2024	---	---	---
Machine Hours	2890	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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



OIL CONDITION

Visc @ 40°C	cSt	● 89.2	---	---	---
-------------	-----	--------	-----	-----	-----



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 24	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 4	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type.



WEAR METALS

Iron	ppm	▲ 604	---	---	---
Copper	ppm	■ 6	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	▲ 15	---	---	---
Molybdenum	ppm	■ 17	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 9	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 3929	---	---	---
Magnesium	ppm	■ 13	---	---	---
Zinc	ppm	■ 790	---	---	---
Phosphorus	ppm	■ 629	---	---	---
Barium	ppm	■ 38	---	---	---
Boron	ppm	■ 12	---	---	---

Depot: VOLVO8770
Unique No: 10968180
Signed: Jonathan Hester
Report Date: 12 Apr 2024



CONSTRUCTION EQUIPMENT



GRAPHS

