



CONSTRUCTION EQUIPMENT

SW-30086-1 RANGO VOLVO R100E 121020 - REAR LEFT FINAL DRIVE



Sample No: VCP422953
Oil Type: GEAR OIL SAE 80W90
Job No: SW-30086-1 RANGO



SAMPLE INFORMATION

Sample Number	VCP422953	---	---	---
Sample Date	20 Feb 2024	---	---	---
Machine Hours	4057	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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



OIL CONDITION

Visc @ 40°C	cSt	█ 135	---	---	---
-------------	-----	-------	-----	-----	-----



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 24	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 77	---	---	---

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	▲ 559	---	---	---
Copper	ppm	█ 14	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 8	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 8	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 6	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 70	---	---	---
Magnesium	ppm	█ 6	---	---	---
Zinc	ppm	█ 41	---	---	---
Phosphorus	ppm	█ 403	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 61	---	---	---

Depot: VOLVO8770
Unique No: 10900272
Signed: Jonathan Hester
Report Date: 29 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

