



CONSTRUCTION EQUIPMENT

SW-30086-1 RANGO VOLVO R100E 121020 - REAR AXLE



Sample No: VCP422758
Oil Type: GEAR OIL SAE 80W90
Job No: SW-30086-1 RANGO



SAMPLE INFORMATION

Sample Number	VCP422758	---	---	---
Sample Date	20 Feb 2024	---	---	---
Machine Hours	4057	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

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

Water	%	NEG	---	---	---
Silicon	ppm	█ 27	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 80	---	---	---

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	▲ 610	---	---	---
Copper	ppm	█ 14	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 9	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 8	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 7	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 95	---	---	---
Magnesium	ppm	█ 7	---	---	---
Zinc	ppm	█ 45	---	---	---
Phosphorus	ppm	█ 419	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 61	---	---	---

Depot: VOLVO8770
Unique No: 10900270
Signed: Jonathan Hester
Report Date: 29 Feb 2024



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GRAPHS

