



CONSTRUCTION EQUIPMENT

SPM579230 GENERAL RV VOLVO L20H 1220273 - FRONT AXLE



Sample No: VCP409230
Oil Type: GEAR OIL SAE 80W90
Job No: SPM579230 GENERAL RV



SAMPLE INFORMATION

Sample Number	VCP409230	VCP401579	VCP350489	---
Sample Date	12 Sep 2023	07 Feb 2023	23 Dec 2021	---
Machine Hours	2490	1867	969	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	ATTENTION	ATTENTION	ATTENTION	---

ALTA EQUIPMENT CO - ORLAND PARK
 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
 DAVE.ENG@ALTG.COM
 T: (312)350-2560
 F:



OIL CONDITION

Visc @ 40°C	cSt	▲ 53.4	▲ 54.0	▲ 54.6	---
-------------	-----	---------------	--------	--------	-----



CONTAMINATION

Silicon	ppm	■ 15	■ 14	■ 11	---
Sodium	ppm	■ 15	■ 18	■ 17	---
Potassium	ppm	■ 5	■ <1	■ 2	---



WEAR METALS

Iron	ppm	■ 271	■ 266	■ 147	---
Copper	ppm	■ 2	■ 6	■ 2	---
Lead	ppm	■ 0	■ <1	■ <1	---
Tin	ppm	■ 0	■ <1	■ <1	---
Aluminum	ppm	■ 4	■ 1	■ 2	---
Chromium	ppm	■ 5	■ 6	■ 4	---
Molybdenum	ppm	■ <1	■ <1	■ <1	---
Nickel	ppm	■ <1	■ <1	■ 0	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	■ 19	■ 19	■ 14	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	■ 3577	■ 3605	▲ 3331	---
Magnesium	ppm	■ 11	■ 14	■ 13	---
Zinc	ppm	■ 1414	■ 1356	▲ 1356	---
Phosphorus	ppm	■ 1130	■ 1051	■ 1082	---
Barium	ppm	■ 0	■ 0	■ 0	---
Boron	ppm	■ 115	■ 128	■ 110	---

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 oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Depot: VOLVO8885
Unique No: 10658486
Signed: Don Baldrige
Report Date: 22 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

