



CONSTRUCTION EQUIPMENT

SPM579631 VOLVO L350 1138 - FRONT AXLE



Sample No: VCP351478
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SPM579631



SAMPLE INFORMATION

Sample Number	VCP351478	VCP395478	VCP376876	VCP359452
Sample Date	11 Aug 2023	25 Apr 2023	23 Jul 2022	18 Apr 2022
Machine Hours	4582	3754	2667	1914
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	N/A
Sample Status	ATTENTION	ATTENTION	ATTENTION	ATTENTION

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
 JIM.STRIGLE@ALTG.COM
 T: (315)437-2611
 F: (315)434-9471



OIL CONDITION

Visc @ 40°C	cSt	▲ 43.4	▲ 45.0	▲ 43.6	▲ 43.7
-------------	-----	---------------	--------	--------	--------



CONTAMINATION

Silicon	ppm	■ 19	■ 24	■ 16	■ 14
Sodium	ppm	■ 4	■ 4	■ 8	■ 7
Potassium	ppm	■ <1	■ 0	■ 0	■ 0



WEAR METALS

Iron	ppm	■ 385	■ 386	■ 365	■ 332
Copper	ppm	■ 8	■ 6	■ 5	■ 1
Lead	ppm	■ <1	■ 0	■ <1	■ 0
Tin	ppm	■ 1	■ 0	■ <1	■ 0
Aluminum	ppm	■ 3	■ 2	■ 2	■ 1
Chromium	ppm	■ 1	■ 1	■ <1	■ 0
Molybdenum	ppm	■ 0	■ <1	■ <1	■ 0
Nickel	ppm	■ 0	■ 0	■ 0	■ 0
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	■ 4	■ 4	■ 4	■ 2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	■ 3968	■ 4175	■ 3928	■ 4134
Magnesium	ppm	■ 16	■ 18	■ 12	■ 14
Zinc	ppm	■ 1683	■ 1674	■ 1537	■ 1592
Phosphorus	ppm	■ 1299	■ 1331	■ 1263	■ 1408
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 133	■ 153	■ 141	■ 128

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. Confirm oil type.

Depot: VOLVO0142
Unique No: 10606368
Signed: Don Baldrige
Report Date: 17 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

