



CONSTRUCTION EQUIPMENT

WASTE MANAGEMENT 8-375312 VOLVO EC350EL 314112 - REAR RIGHT FINAL DRIVE



Sample No: VCP394510
Oil Type: GEAR OIL LS 80W90
Job No: 8-375312



SAMPLE INFORMATION

Sample Number	VCP394510	---	---	---
Sample Date	11 Aug 2023	---	---	---
Machine Hours	4905	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD
MISSISSAUGA, ON
CA L4W 4L4

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OIL CONDITION

Visc @ 40°C	cSt	█ 141	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 87	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

PQ		◆ 13382	---	---	---
Iron	ppm	◆ 3025	---	---	---
Copper	ppm	█ 13	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 7	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	3	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 18	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 41	---	---	---
Magnesium	ppm	█ 22	---	---	---
Zinc	ppm	█ 23	---	---	---
Phosphorus	ppm	915	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 66	---	---	---

Diagnosis

We advise that you check for visible metal particles in the oil. We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. An inspection for the source(s) of wear may be warranted at this time. We recommend an early resample to monitor this condition. Re-sampling is suggested to confirm test results prior to significant maintenance activities being performed. Please indicate that this is a resample on your Sample Information Form (SIF). The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL LS 80W90. Please confirm. Iron ppm levels are severe. PQ levels are severe. High concentration of visible metal present. Gear wear is indicated. The very high ferrous density (PQ) index indicates that severe wear is occurring. There is a moderate concentration of dirt present in the oil. High amount of ingressed dirt has caused abrasive wear to the component. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: SHEMIS
Unique No: 5620841
Signed: Kevin Marson
Report Date: 15 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

