



CONSTRUCTION EQUIPMENT

25372 VOLVO EC350 314351 - REAR RIGHT FINAL DRIVE



Sample No: VCP447673
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 25372



218 - ASCENDUM MACHINERY INC - N. CHARLESTON
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SAMPLE INFORMATION

Sample Number	VCP447673	VCP404627	---	---
Sample Date	08 May 2024	30 Jun 2023	---	---
Machine Hours	3037	1914	---	---
Oil Hours	0	2000	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	SEVERE	SEVERE	---	---



OIL CONDITION

Visc @ 40°C	cSt	66.6	185	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	▲ 420	▲ 407	---	---
Sodium	ppm	■ 3	■ 1	---	---
Potassium	ppm	■ 1	■ 3	---	---



WEAR METALS

Iron	ppm	▲ 3372	▲ 1287	---	---
Copper	ppm	■ 6	■ 2	---	---
Lead	ppm	■ 0	■ 0	---	---
Tin	ppm	■ 0	■ <1	---	---
Aluminum	ppm	● 60	▲ 57	---	---
Chromium	ppm	▲ 26	▲ 27	---	---
Molybdenum	ppm	■ 4	■ 3	---	---
Nickel	ppm	■ 2	■ 2	---	---
Titanium	ppm	6	7	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 17	■ 14	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	■ 11	■ 9	---	---
Magnesium	ppm	■ <1	■ 2	---	---
Zinc	ppm	■ 33	■ 0	---	---
Phosphorus	ppm	■ 1714	■ 276	---	---
Barium	ppm	■ 0	■ 2	---	---
Boron	ppm	■ 89	■ 0	---	---

Diagnosis

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. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO3387
Unique No: 11030478
Signed: Sean Felton
Report Date: 16 May 2024



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GRAPHS

