



CONSTRUCTION EQUIPMENT

23853 VOLVO EC350E 314354 - REAR RIGHT FINAL DRIVE



Sample No: VCP426875
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 23853



SAMPLE INFORMATION

Sample Number	VCP426875	VCP383504	---	---
Sample Date	12 Aug 2023	05 Oct 2022	---	---
Machine Hours	1796	731	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	SEVERE	ABNORMAL	---	---

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 NORTH CHARLESTON, SC
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OIL CONDITION

Visc @ 40°C	cSt	71.7	174	---	---
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CONTAMINATION

Silicon	ppm	968	111	---	---
Sodium	ppm	4	5	---	---
Potassium	ppm	16	5	---	---



WEAR METALS

Iron	ppm	3086	357	---	---
Copper	ppm	4	<1	---	---
Lead	ppm	0	2	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	149	22	---	---
Chromium	ppm	52	11	---	---
Molybdenum	ppm	5	2	---	---
Nickel	ppm	4	2	---	---
Titanium	ppm	16	2	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	26	6	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	158	8	---	---
Magnesium	ppm	21	0	---	---
Zinc	ppm	106	0	---	---
Phosphorus	ppm	1574	365	---	---
Barium	ppm	5	0	---	---
Boron	ppm	120	0	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. 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: 10608422
Signed: Don Baldrige
Report Date: 21 Aug 2023



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GRAPHS

