



CONSTRUCTION EQUIPMENT

25682 VOLVO EC350 314419 - REAR RIGHT FINAL DRIVE



Sample No: VCP451072
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 25682



SAMPLE INFORMATION

Sample Number	VCP451072	VCP405863	VCP404418	---
Sample Date	16 May 2024	02 Aug 2023	21 Feb 2023	---
Machine Hours	2020	977	477	---
Oil Hours	0	1000	500	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	SEVERE	NORMAL	NORMAL	---

218 - ASCENDUM MACHINERY INC - N. CHARLESTON
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 NORTH CHARLESTON, SC
 US 29418
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OIL CONDITION

Visc @ 40°C	cSt	57.3	64.3	169	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	▲ 1096	57	20	---
Sodium	ppm	2	0	2	---
Potassium	ppm	9	2	1	---



WEAR METALS

Iron	ppm	▲ 4120	230	207	---
Copper	ppm	6	<1	<1	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	● 134	4	3	---
Chromium	ppm	▲ 55	8	8	---
Molybdenum	ppm	7	1	<1	---
Nickel	ppm	6	<1	<1	---
Titanium	ppm	17	1	<1	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	30	3	4	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	15	21	9	---
Magnesium	ppm	4	2	1	---
Zinc	ppm	27	20	12	---
Phosphorus	ppm	2198	1813	320	---
Barium	ppm	<1	0	2	---
Boron	ppm	189	199	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: 11043308
Signed: Don Baldrige
Report Date: 23 May 2024



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GRAPHS

