



CONSTRUCTION EQUIPMENT

X47248 JOSHLIN CONST VOLVO EC350 310659 - REAR RIGHT FINAL DRIVE



Sample No: VCP416500
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: X47248 JOSHLIN CONST



SAMPLE INFORMATION

Sample Number	VCP416500	---	---	---
Sample Date	21 Jul 2023	---	---	---
Machine Hours	6117	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

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 LAKE CHARLES, LA
 US 70616
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CONTAMINATION

Silicon	ppm	10000	---	---	---
Sodium	ppm	49	---	---	---
Potassium	ppm	161	---	---	---



WEAR METALS

Iron	ppm	10000	---	---	---
Copper	ppm	46	---	---	---
Lead	ppm	3	---	---	---
Tin	ppm	5	---	---	---
Aluminum	ppm	784	---	---	---
Chromium	ppm	284	---	---	---
Molybdenum	ppm	41	---	---	---
Nickel	ppm	23	---	---	---
Titanium	ppm	135	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	180	---	---	---
Vanadium	ppm	4	---	---	---



ADDITIVES

Calcium	ppm	53	---	---	---
Magnesium	ppm	67	---	---	---
Zinc	ppm	19	---	---	---
Phosphorus	ppm	358	---	---	---
Barium	ppm	15	---	---	---
Boron	ppm	4	---	---	---

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. Please note that the oil was too thick to perform some of the normal laboratory tests. 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: VOLVO6244
Unique No: 10575833
Signed: Jonathan Hester
Report Date: 31 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

