



CONSTRUCTION EQUIPMENT

RENT VOLVO EC750EL 314074 - FRONT RIGHT FINAL DRIVE



Sample No: VCP360568
Oil Type: MOBIL MOBILUBE HD 85W140
Job No: RENT



ARNOLD MACHINERY COMPANY
 3330 NORTH YELLOWSTONE HIGHWAY
 IDAHO FALLS, ID
 US 83401
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SAMPLE INFORMATION

Sample Number	VCP360568	VCP283251	---	---
Sample Date	19 Jan 2023	01 Jul 2022	---	---
Machine Hours	2963	1976	---	---
Oil Hours	2963	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	SEVERE	SEVERE	---	---



OIL CONDITION

Visc @ 40°C	cSt	348	253	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	▲ 662	▲ 607	---	---
Sodium	ppm	■ 13	■ 14	---	---
Potassium	ppm	■ 47	■ 31	---	---



WEAR METALS

Iron	ppm	▲ 1106	▲ 1182	---	---
Copper	ppm	■ 3	■ 3	---	---
Lead	ppm	■ 0	■ 0	---	---
Tin	ppm	■ <1	■ 0	---	---
Aluminum	ppm	● 120	● 116	---	---
Chromium	ppm	■ 8	▲ 10	---	---
Molybdenum	ppm	■ <1	<1	---	---
Nickel	ppm	■ <1	1	---	---
Titanium	ppm	6	8	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 16	13	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	■ 119	148	---	---
Magnesium	ppm	■ 32	27	---	---
Zinc	ppm	■ 9	5	---	---
Phosphorus	ppm	■ 689	190	---	---
Barium	ppm	■ 4	6	---	---
Boron	ppm	■ 101	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 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: VOLVO0077
Unique No: 10312122
Signed: Jonathan Hester
Report Date: 31 Jan 2023



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GRAPHS

