



CONSTRUCTION EQUIPMENT

W02007704 VOLVO EC460C 110134 - REAR RIGHT FINAL DRIVE



Sample No: VCP426085
Oil Type: MOBIL MOBILUBE HD 85W140
Job No: W02007704



SAMPLE INFORMATION

Sample Number	VCP426085	VCP195504	---	---
Sample Date	06 Nov 2023	19 Aug 2016	---	---
Machine Hours	18738	8366	---	---
Oil Hours	0	2000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	SEVERE	ABNORMAL	---	---

MCCLUNG-LOGAN EQUIPMENT CO - MANASSAS
 8450 QUARRY ROAD
 MANASSAS, VA
 US 20110
 Contact: MIKE MAYHUGH
 MMAYHUGH@MCCLUNG-LOGAN.COM
 T: (703)393-7344
 F: (703)393-7844



OIL CONDITION

Visc @ 40°C	cSt	█ 166	█ 160.9	---	---
-------------	-----	-------	---------	-----	-----



CONTAMINATION

Silicon	ppm	▲ 383	▲ 143	---	---
Sodium	ppm	█ 14	█ 5	---	---
Potassium	ppm	█ 15	█ 12	---	---



WEAR METALS

Iron	ppm	▲ 808	█ 292	---	---
Copper	ppm	▲ 68	█ 47	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 5	█ 9	---	---
Aluminum	ppm	▲ 97	▲ 45	---	---
Chromium	ppm	█ 9	█ 5	---	---
Molybdenum	ppm	█ 0	0	---	---
Nickel	ppm	█ 5	1	---	---
Titanium	ppm	9	2	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 8	4	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 187	17	---	---
Magnesium	ppm	█ 36	6	---	---
Zinc	ppm	█ 62	22	---	---
Phosphorus	ppm	█ 520	800	---	---
Barium	ppm	█ 2	<1	---	---
Boron	ppm	█ 28	49	---	---

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. Bearing and/or 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: VOLVO0002
Unique No: 10736958
Signed: Sean Felton
Report Date: 13 Nov 2023



CONSTRUCTION EQUIPMENT



GRAPHS

