



CONSTRUCTION EQUIPMENT

W02007862 VOLVO EC480 210464 - REAR LEFT FINAL DRIVE



Sample No: VCP426356
Oil Type: MOBIL MOBILUBE HD 85W140
Job No: W02007862



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



SAMPLE INFORMATION

Sample Number	VCP426356	---	---	---
Sample Date	02 Jan 2024	---	---	---
Machine Hours	7506	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 140	---	---	---
-------------	-----	-------	-----	-----	-----



CONTAMINATION

Water	%	█ 0.125	---	---	---
Silicon	ppm	▲ 715	---	---	---
Sodium	ppm	█ 29	---	---	---
Potassium	ppm	█ 40	---	---	---



WEAR METALS

Iron	ppm	█ 837	---	---	---
Copper	ppm	▲ 186	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 9	---	---	---
Aluminum	ppm	▲ 214	---	---	---
Chromium	ppm	█ 9	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	█ 12	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 10	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 318	---	---	---
Magnesium	ppm	█ 187	---	---	---
Zinc	ppm	█ 14	---	---	---
Phosphorus	ppm	█ 997	---	---	---
Barium	ppm	█ 8	---	---	---
Boron	ppm	█ 160	---	---	---

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. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0002
Unique No: 10820289
Signed: Jonathan Hester
Report Date: 10 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

