



CONSTRUCTION EQUIPMENT

X59196 VOLVO SDLG L959F 640017 - FRONT RIGHT FINAL DRIVE



Sample No: VCP440826
Oil Type: {unknown}
Job No: X59196



SAMPLE INFORMATION

Sample Number	VCP440826	---	---	---
Sample Date	06 Feb 2024	---	---	---
Machine Hours	2499	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

SCOTT EQUIPMENT COMPANY LLC - Saint Rose
PO BOX 997
SAINT ROSE, LA
US 70087
Contact: DANA FOSHEE
dfoshee@scottcompanies.com
T: (504)461-0961
F: (504)461-0970



OIL CONDITION

Visc @ 40°C	cSt	▲ 1508	---	---	---
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CONTAMINATION

Water	%	◆ 40.7	---	---	---
Silicon	ppm	◆ 3294	---	---	---
Sodium	ppm	■ 29	---	---	---
Potassium	ppm	■ 66	---	---	---



WEAR METALS

Iron	ppm	◆ 3184	---	---	---
Copper	ppm	◆ 194	---	---	---
Lead	ppm	■ 3	---	---	---
Tin	ppm	▲ 22	---	---	---
Aluminum	ppm	▲ 592	---	---	---
Chromium	ppm	◆ 29	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	■ 40	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	31	---	---	---
Vanadium	ppm	2	---	---	---



ADDITIVES

Calcium	ppm	6637	---	---	---
Magnesium	ppm	327	---	---	---
Zinc	ppm	54	---	---	---
Phosphorus	ppm	400	---	---	---
Barium	ppm	16	---	---	---
Boron	ppm	69	---	---	---

Diagnosis

We advise that you check for the source of water entry. 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. Please note that there was too much water present in the oil to perform a viscosity test. Bearing and/or gear wear is indicated. Appearance is unacceptable. There is a high concentration of water present in the oil. 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: SCOSAI
Unique No: 10870299
Signed: Sean Felton
Report Date: 09 Feb 2024

VOLVO **GRAPHS**

