



CONSTRUCTION EQUIPMENT

SW1021030 RANGO VOLVO EC950F 410018 - RIGHT SWING DRIVE



Sample No: VCP406324
Oil Type: GEAR OIL SAE 80W90
Job No: SW1021030 RANGO



SAMPLE INFORMATION

Sample Number	VCP406324	---	---	---
Sample Date	08 Jul 2023	---	---	---
Machine Hours	6412	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ARNOLD MACHINERY COMPANY
 4323 EAST WINSLOW AVENUE
 PHOENIX, AZ
 US 85040
 Contact: RANDY PRZEKURAT
 randyp@arnoldmachinery.com
 T:
 F: (602)414-1904



OIL CONDITION

Visc @ 40°C	cSt	█ 145	---	---	---
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CONTAMINATION

Silicon	ppm	█ 37	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	▲ 706	---	---	---
Copper	ppm	█ 14	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 47	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 30	---	---	---
Phosphorus	ppm	█ 380	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	0	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO6174
Unique No: 10562998
Signed: Don Baldrige
Report Date: 20 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

