



CONSTRUCTION EQUIPMENT

4209HO WINDY KNOB VOLVO EC480EL 314376 - TRANSFER CASE



Sample No: VCP415400
Oil Type: VOLVO
Job No: 4209HO WINDY KNOB



SAMPLE INFORMATION

Sample Number	VCP415400	---	---	---
Sample Date	28 Sep 2023	---	---	---
Machine Hours	2005	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

HIGHWAY EQUIPMENT & SUPPLY CO MAIN
PO BOX 1957
HARRISBURG, PA
US 17105
Contact: CHAD HERRON



OIL CONDITION

Visc @ 40°C	cSt	█ 61.6	---	---	---
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T: 7(175)643-3031
F: (717)564-3568



CONTAMINATION

Silicon	ppm	█ 17	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 5	---	---	---

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.



WEAR METALS

Iron	ppm	▲ 602	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	▲ 6	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	6	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	14	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	29	---	---	---
Phosphorus	ppm	1896	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	191	---	---	---

Depot: VOLVO0025
Unique No: 10683784
Signed: Don Baldrige
Report Date: 10 Oct 2023



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GRAPHS

