



CONSTRUCTION EQUIPMENT

SW-25850-2 MAVERICK VOLVO EC480E 315097 - LEFT SWING DRIVE



Sample No: VCP442142
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SW-25850-2 MAVERICK



ARNOLD MACHINERY COMPANY
 2975 WEST 2100 SOUTH
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SAMPLE INFORMATION

Sample Number	VCP442142	VCP423001	---	---
Sample Date	02 Nov 2023	31 Jul 2023	---	---
Machine Hours	1250	679	---	---
Oil Hours	600	679	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 185	█ 175	---	---
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CONTAMINATION

Silicon	ppm	█ 11	█ 14	---	---
Sodium	ppm	█ 1	█ 0	---	---
Potassium	ppm	█ 0	█ 2	---	---



WEAR METALS

Iron	ppm	█ 449	█ 122	---	---
Copper	ppm	█ 18	▲ 84	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ <1	█ 2	---	---
Chromium	ppm	█ 5	█ 2	---	---
Molybdenum	ppm	█ 223	█ <1	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ 4	█ 6	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 30	█ 30	---	---
Magnesium	ppm	█ 2	█ <1	---	---
Zinc	ppm	█ 40	█ 59	---	---
Phosphorus	ppm	█ 732	█ 324	---	---
Barium	ppm	█ 2	█ 4	---	---
Boron	ppm	█ 42	█ 0	---	---

Diagnosis

Resample at the next service interval to monitor. All 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: VOLVO8770
Unique No: 10738415
Signed: Don Baldrige
Report Date: 14 Nov 2023



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GRAPHS

