



CONSTRUCTION EQUIPMENT

SPM633895 CH HAGER VOLVO EC160EL 314557 - SWING DRIVE



Sample No: VCP435714
Oil Type: GEAR OIL SAE 80W90
Job No: SPM633895 CH HAGER



ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
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SAMPLE INFORMATION

Sample Number	VCP435714	VCP420186	---	---
Sample Date	10 Nov 2023	24 Jul 2023	---	---
Machine Hours	1015	483	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 143	█ 178	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 15	█ 40	---	---
Sodium	ppm	█ 0	█ 2	---	---
Potassium	ppm	█ <1	█ <1	---	---

WEAR METALS

Iron	ppm	█ 71	█ 93	---	---
Copper	ppm	█ 20	█ 79	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 2	█ 5	---	---
Chromium	ppm	█ <1	█ 2	---	---
Molybdenum	ppm	█ 2	█ 0	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 1	█ 5	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	█ 78	█ 3	---	---
Magnesium	ppm	█ 27	█ 0	---	---
Zinc	ppm	█ 60	█ 52	---	---
Phosphorus	ppm	█ 677	█ 346	---	---
Barium	ppm	█ 2	█ 0	---	---
Boron	ppm	█ 79	█ 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: VOLVO8885
Unique No: 10767316
Signed: Wes Davis
Report Date: 04 Dec 2023



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GRAPHS

