



CONSTRUCTION EQUIPMENT

JMX 8-394539 VOLVO EC380E 314333 - SWING DRIVE



Sample No: VCP449278
Oil Type: GEAR OIL SAE 80W90
Job No: 8-394539



SAMPLE INFORMATION

Sample Number	VCP449278	VCP347151	VCP299310	---
Sample Date	07 Mar 2024	12 Aug 2022	27 Jul 2021	---
Machine Hours	4157	2084	503	---
Oil Hours	2000	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	ABNORMAL	NORMAL	---

STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD
MISSISSAUGA, ON
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OIL CONDITION

Visc @ 40°C	cSt	▲ 50.9	▲ 53.4	■ 178	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	■ 8	■ 6	■ 10	---
Sodium	ppm	■ 2	■ 3	■ 2	---
Potassium	ppm	■ 1	■ 1	■ 1	---



WEAR METALS

Iron	ppm	■ 251	■ 121	■ 342	---
Copper	ppm	■ 18	■ 14	■ 37	---
Lead	ppm	■ <1	■ <1	■ 1	---
Tin	ppm	■ 0	0	<1	---
Aluminum	ppm	■ 1	<1	2	---
Chromium	ppm	■ 2	1	6	---
Molybdenum	ppm	■ 0	■ 0	■ <1	---
Nickel	ppm	■ <1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	■ 2	■ 2	■ 7	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	■ 118	■ 119	■ 6	---
Magnesium	ppm	■ 2	■ 1	■ <1	---
Zinc	ppm	■ 54	■ 46	■ 31	---
Phosphorus	ppm	■ 2289	■ 2152	■ 457	---
Barium	ppm	■ 0	■ <1	■ 4	---
Boron	ppm	■ 191	■ 223	■ 2	---

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. Viscosity of sample indicates oil is within SAE 75W80 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: SHEMIS
Unique No: 5746691
Signed: Kevin Marson
Report Date: 13 Mar 2024



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GRAPHS

