



CONSTRUCTION EQUIPMENT

SPM594991 SCORIA IRO SENNEBOGEN 860 860.0.1028 - RIGHT SWING DRIVE



Sample No: VCP415456
Oil Type: GEAR OIL SAE 80W90
Job No: SPM594991 SCORIA IRO



SAMPLE INFORMATION

Sample Number	VCP415456	VCP423383	VCP397512	---
Sample Date	25 Aug 2023	01 Jun 2023	08 Feb 2023	---
Machine Hours	21409	12246	20295	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	ABNORMAL	ABNORMAL	SEVERE	---

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5000 INDUSTRIAL HWY
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F:

OIL CONDITION

Visc @ 40°C	cSt	▲ 53.3	■ 136	■ 91.2	---
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CONTAMINATION

Water	%	---	▲ 0.568	● 1.51	---
Silicon	ppm	■ 7	■ <1	■ 25	---
Sodium	ppm	■ 2	■ <1	■ 3	---
Potassium	ppm	■ <1	■ 0	■ 1	---

Diagnosis

We recommend an early resample to monitor this condition. Gear wear is indicated. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type.

WEAR METALS

Iron	ppm	▲ 801	■ 25	● 2892	---
Copper	ppm	▲ 352	■ 5	● 2076	---
Lead	ppm	■ 7	■ 0	■ 43	---
Tin	ppm	▲ 22	■ 0	● 106	---
Aluminum	ppm	■ <1	■ 0	■ 6	---
Chromium	ppm	▲ 34	■ <1	● 43	---
Molybdenum	ppm	■ <1	■ <1	■ 2	---
Nickel	ppm	■ <1	■ 0	■ 6	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	■ 7	■ <1	■ 20	---
Vanadium	ppm	0	0	<1	---

ADDITIVES

Calcium	ppm	■ 58	■ 27	■ 49	---
Magnesium	ppm	■ 3	■ <1	■ 2	---
Zinc	ppm	■ 308	■ 4	■ 248	---
Phosphorus	ppm	■ 344	■ 403	■ 568	---
Barium	ppm	■ 2	■ 0	■ 0	---
Boron	ppm	■ <1	■ 19	■ 23	---

Depot: VOLVO8885
Unique No: 10633262
Signed: Don Baldrige
Report Date: 07 Sep 2023



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GRAPHS

