



CONSTRUCTION EQUIPMENT

SPM594991 SCORIA IRO SENNEBOGEN 860 860.0.1028 - LEFT SWING DRIVE



Sample No: VCP415440
Oil Type: GEAR OIL SAE 80W90
Job No: SPM594991 SCORIA IRO



SAMPLE INFORMATION

Sample Number	VCP415440	VCP423384	VCP398494	---
Sample Date	25 Aug 2023	01 Jun 2023	08 Feb 2023	---
Machine Hours	21409	12246	20295	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Changed	Not Changd	---
Sample Status	SEVERE	SEVERE	SEVERE	---

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OIL CONDITION

Visc @ 40°C	cSt	110	57.1	▲ 61.4	---
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CONTAMINATION

Water	%	▲ 0.998	---	---	---
Silicon	ppm	■ 19	■ 14	■ 26	---
Sodium	ppm	■ 3	■ 2	■ 4	---
Potassium	ppm	■ 2	■ 2	■ 0	---



WEAR METALS

Iron	ppm	● 2749	● 1117	● 1417	---
Copper	ppm	● 1252	● 725	● 1094	---
Lead	ppm	■ 15	■ 15	■ 28	---
Tin	ppm	● 82	● 49	● 62	---
Aluminum	ppm	■ 4	■ 3	■ 3	---
Chromium	ppm	● 37	● 30	● 38	---
Molybdenum	ppm	■ 1	■ <1	■ <1	---
Nickel	ppm	■ 5	■ 6	■ 4	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	■ 23	■ 8	■ 12	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	■ 132	■ 79	■ 46	---
Magnesium	ppm	■ 40	■ 14	■ 2	---
Zinc	ppm	■ 266	■ 379	■ 320	---
Phosphorus	ppm	■ 543	■ 337	■ 395	---
Barium	ppm	■ 1	■ 0	■ 0	---
Boron	ppm	■ 21	■ 6	■ 8	---

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Bearing and/or bushing wear is indicated. Generally an abnormal to severe rate of wear throughout the component. There is a high concentration of water present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VOLVO8885
Unique No: 10633264
Signed: Don Baldrige
Report Date: 07 Sep 2023



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GRAPHS

