



# CONSTRUCTION EQUIPMENT

SPM594991 SCORIA IRO SENNEBOGEN 860 860.0.1028 - DIESEL ENGINE



**Sample No:** VCP415458  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM594991 SCORIA IRO



## SAMPLE INFORMATION

Sample Number	<b>VCP415458</b>	VCP423387	VCP398424	VCP366243
Sample Date	<b>25 Aug 2023</b>	01 Jun 2023	08 Feb 2023	24 Aug 2022
Machine Hours	<b>21409</b>	12246	20295	19771
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 100°C	cSt	<b>13.3</b>	13.4	13.1	13.6
Base Number (BN)	mg KOH/g	<b>8.8</b>	8.2	8.8	9.7
Oxidation (PA)	%	<b>66</b>	68	63	69

## CONTAMINATION

Soot %	%	<b>0.5</b>	0.4	0.4	0.6
Nitration (PA)	%	<b>73</b>	68	72	83
Sulfation (PA)	%	<b>59</b>	59	57	64
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>3</b>	4	4	3
Sodium	ppm	<b>2</b>	2	1	2
Potassium	ppm	<b>3</b>	3	0	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. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

## WEAR METALS

Iron	ppm	<b>15</b>	12	13	14
Copper	ppm	<b>1</b>	4	1	2
Lead	ppm	<b>2</b>	1	2	2
Tin	ppm	<b>0</b>	<1	<1	<1
Aluminum	ppm	<b>1</b>	2	2	1
Chromium	ppm	<b>1</b>	2	1	1
Molybdenum	ppm	<b>46</b>	50	52	46
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>&lt;1</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0

## ADDITIVES

Calcium	ppm	<b>1315</b>	1102	1149	1124
Magnesium	ppm	<b>930</b>	947	901	850
Zinc	ppm	<b>1346</b>	1312	1258	1266
Phosphorus	ppm	<b>1074</b>	1052	983	1031
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>27</b>	16	16	25

**Depot:** VOLVO8885  
**Unique No:** 10631065  
**Signed:** Wes Davis  
**Report Date:** 01 Sep 2023



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## VOLVO GRAPHS

