



CONSTRUCTION EQUIPMENT

SPM688695 SCORIA SENNEBOGEN 835 835.0.533 - DIESEL ENGINE



Sample No: VCP427266
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM688695 SCORIA



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP427266 | VCP411392 | --- | --- |
| Sample Date | 21 Mar 2024 | 28 Mar 2023 | --- | --- |
| Machine Hours | 11673 | 11673 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

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OIL CONDITION

| | | | | | |
|------------------|----------|--------|--------|-----|-----|
| Visc @ 100°C | cSt | █ 15.1 | █ 13.7 | --- | --- |
| Base Number (BN) | mg KOH/g | █ 8.6 | █ 8.0 | --- | --- |
| Oxidation (PA) | % | 78 | 64 | --- | --- |

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.



CONTAMINATION

| | | | | | |
|----------------|-----|-------|-------|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Soot % | % | █ 0.8 | █ 0.5 | --- | --- |
| Nitration (PA) | % | 96 | 79 | --- | --- |
| Sulfation (PA) | % | 66 | 55 | --- | --- |
| Glycol | % | NEG | NEG | --- | --- |
| Fuel | % | <1.0 | <1.0 | --- | --- |
| Silicon | ppm | █ 6 | █ 5 | --- | --- |
| Sodium | ppm | █ 2 | █ 2 | --- | --- |
| Potassium | ppm | █ 4 | █ 2 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-------|-------|-----|-----|
| Iron | ppm | █ 67 | █ 36 | --- | --- |
| Copper | ppm | █ 194 | █ 190 | --- | --- |
| Lead | ppm | █ 14 | █ 2 | --- | --- |
| Tin | ppm | █ 2 | █ <1 | --- | --- |
| Aluminum | ppm | █ 6 | █ 4 | --- | --- |
| Chromium | ppm | █ 2 | █ 1 | --- | --- |
| Molybdenum | ppm | █ 24 | █ 28 | --- | --- |
| Nickel | ppm | █ 0 | █ 0 | --- | --- |
| Titanium | ppm | █ <1 | █ <1 | --- | --- |
| Silver | ppm | █ 0 | █ 0 | --- | --- |
| Manganese | ppm | █ <1 | █ <1 | --- | --- |
| Vanadium | ppm | <1 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|--------|-----|-----|
| Calcium | ppm | █ 1569 | █ 1373 | --- | --- |
| Magnesium | ppm | █ 895 | █ 797 | --- | --- |
| Zinc | ppm | █ 1375 | █ 1264 | --- | --- |
| Phosphorus | ppm | █ 1140 | █ 1065 | --- | --- |
| Barium | ppm | █ 0 | █ 0 | --- | --- |
| Boron | ppm | █ 53 | █ 47 | --- | --- |

Depot: VOLVO8885
Unique No: 10989305
Signed: Wes Davis
Report Date: 22 Apr 2024



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GRAPHS

