



CONSTRUCTION EQUIPMENT

SWA380994-1 ALTER SENNEBOGEN 825 825.0.2552 - DIESEL ENGINE



Sample No: VCP384905
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWA380994-1 ALTER



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP384905 | --- | --- | --- |
| Sample Date | 11 Oct 2023 | --- | --- | --- |
| Machine Hours | 9930 | --- | --- | --- |
| Oil Hours | 500 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

ALTA EQUIPMENT COMPANY

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OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 100°C | cSt | █ 14.0 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 9.5 | --- | --- | --- |
| Oxidation (PA) | % | 67 | --- | --- | --- |

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

| | | | | | |
|----------------|-----|-------|-----|-----|-----|
| Soot % | % | █ 0.3 | --- | --- | --- |
| Nitration (PA) | % | 67 | --- | --- | --- |
| Sulfation (PA) | % | 60 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | <1.0 | --- | --- | --- |
| Silicon | ppm | █ 6 | --- | --- | --- |
| Sodium | ppm | █ 1 | --- | --- | --- |
| Potassium | ppm | █ <1 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Iron | ppm | █ 11 | --- | --- | --- |
| Copper | ppm | █ 0 | --- | --- | --- |
| Lead | ppm | █ 0 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | █ 3 | --- | --- | --- |
| Chromium | ppm | █ 0 | --- | --- | --- |
| Molybdenum | ppm | █ 257 | --- | --- | --- |
| Nickel | ppm | █ 0 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | █ 0 | --- | --- | --- |
| Manganese | ppm | █ <1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 1562 | --- | --- | --- |
| Magnesium | ppm | █ 846 | --- | --- | --- |
| Zinc | ppm | █ 1158 | --- | --- | --- |
| Phosphorus | ppm | █ 941 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 265 | --- | --- | --- |

Depot: VOLVO5054
Unique No: 10699583
Signed: Jonathan Hester
Report Date: 20 Oct 2023



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GRAPHS

