



CONSTRUCTION EQUIPMENT

SPM702170 ALTER S SENNEBOGEN 840E 840.0.2195 - RIGHT SWING DRIVE



Sample No: VCP439226
Oil Type: MOBIL SHC 630
Job No: SPM702170 ALTER S



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP439226 | VCP396745 | VCP351985 | --- |
| Sample Date | 16 Apr 2024 | 04 Apr 2023 | 30 Dec 2021 | --- |
| Machine Hours | 11148 | 8847 | 5443 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | Changed | Changed | N/A | --- |
| Sample Status | ABNORMAL | NORMAL | NORMAL | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 215 | 217 | 227 | --- |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|-------------|-----|-----|-----|
| Water | % | NEG | NEG | NEG | --- |
| Silicon | ppm | ▲ 61 | 24 | 20 | --- |
| Sodium | ppm | 2 | <1 | 0 | --- |
| Potassium | ppm | 4 | <1 | 0 | --- |

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|----|-----|
| Iron | ppm | 241 | 157 | 38 | --- |
| Copper | ppm | ▲ 185 | 23 | 6 | --- |
| Lead | ppm | <1 | 0 | 0 | --- |
| Tin | ppm | 6 | 3 | <1 | --- |
| Aluminum | ppm | 7 | <1 | 0 | --- |
| Chromium | ppm | 3 | 1 | <1 | --- |
| Molybdenum | ppm | <1 | <1 | 0 | --- |
| Nickel | ppm | <1 | <1 | 0 | --- |
| Titanium | ppm | <1 | 0 | 0 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | 2 | 1 | <1 | --- |
| Vanadium | ppm | <1 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 192 | 7 | 0 | --- |
| Magnesium | ppm | 2 | <1 | 0 | --- |
| Zinc | ppm | 98 | 45 | 15 | --- |
| Phosphorus | ppm | 485 | 453 | 345 | --- |
| Barium | ppm | 1 | 0 | 0 | --- |
| Boron | ppm | 7 | <1 | 5 | --- |

Depot: VOLVO8885
Unique No: 11004017
Signed: Jonathan Hester
Report Date: 01 May 2024



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GRAPHS

