



CONSTRUCTION EQUIPMENT

621519 SIMS SENNEBOGEN 835 2069 - FRONT RIGHT FINAL DRIVE



Sample No: VCP431283
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 621519 SIMS



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP431283 | --- | --- | --- |
| Sample Date | 28 Oct 2023 | --- | --- | --- |
| Machine Hours | 10627 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

ALTA CONSTRUCTION EQUIPMENT LLC
 G-3283 S. DORT HIGHWAY
 BURTON, MI
 US 48529
 Contact: SHAWN LEWIS
 shawn.lewis@altaequipment.com
 T: (810)347-7011
 F:



OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ■ 160 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Silicon | ppm | ■ 9 | --- | --- | --- |
| Sodium | ppm | ■ <1 | --- | --- | --- |
| Potassium | ppm | ■ 5 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Iron | ppm | ■ 407 | --- | --- | --- |
| Copper | ppm | ■ 15 | --- | --- | --- |
| Lead | ppm | ■ <1 | --- | --- | --- |
| Tin | ppm | ■ 0 | --- | --- | --- |
| Aluminum | ppm | ■ 8 | --- | --- | --- |
| Chromium | ppm | ▲ 30 | --- | --- | --- |
| Molybdenum | ppm | ■ 0 | --- | --- | --- |
| Nickel | ppm | ■ 0 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | ■ 7 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Calcium | ppm | ■ 20 | --- | --- | --- |
| Magnesium | ppm | ■ 8 | --- | --- | --- |
| Zinc | ppm | ■ 22 | --- | --- | --- |
| Phosphorus | ppm | ■ 626 | --- | --- | --- |
| Barium | ppm | ■ 12 | --- | --- | --- |
| Boron | ppm | ■ 52 | --- | --- | --- |

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The chromium level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO5023
Unique No: 10729161
Signed: Don Baldrige
Report Date: 09 Nov 2023



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GRAPHS

