



CONSTRUCTION EQUIPMENT

646154 GERDAU SENNEBOGEN 825 3313 - FRONT LEFT FINAL DRIVE



Sample No: VCP434054
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 646154 GERDAU



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP434054 | VCP403862 | --- | --- |
| Sample Date | 13 Dec 2023 | 11 Jan 2023 | --- | --- |
| Machine Hours | 3721 | 2845 | --- | --- |
| Oil Hours | 721 | 1000 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
US 48165
Contact: PAUL CONZ
paul.conz@altg.com
T: (313)348-8861
F: (248)356-2029



OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 141 | 130 | --- | --- |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------------|-----|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | 7 | 4 | --- | --- |
| Sodium | ppm | 13 | 8 | --- | --- |
| Potassium | ppm | 2 | 0 | --- | --- |

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 condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|-----|-----|
| Iron | ppm | 193 | 44 | --- | --- |
| Copper | ppm | 28 | 11 | --- | --- |
| Lead | ppm | <1 | 0 | --- | --- |
| Tin | ppm | <1 | 0 | --- | --- |
| Aluminum | ppm | 3 | <1 | --- | --- |
| Chromium | ppm | 1 | <1 | --- | --- |
| Molybdenum | ppm | <1 | <1 | --- | --- |
| Nickel | ppm | <1 | 0 | --- | --- |
| Titanium | ppm | <1 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 6 | 1 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|-----|-----|-----|
| Calcium | ppm | 156 | 193 | --- | --- |
| Magnesium | ppm | 8 | 9 | --- | --- |
| Zinc | ppm | 78 | 67 | --- | --- |
| Phosphorus | ppm | 1648 | 978 | --- | --- |
| Barium | ppm | 10 | 0 | --- | --- |
| Boron | ppm | 36 | 12 | --- | --- |

Depot: VOLVO2990
Unique No: 10794916
Signed: Jonathan Hester
Report Date: 21 Dec 2023



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GRAPHS

