



CONSTRUCTION EQUIPMENT

567208 GERDAU SENNEBOGEN 850 3143 - REAR AXLE



Sample No: VCP414105
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 567208 GERDAU



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP414105 | VCP411160 | --- | --- |
| Sample Date | 28 Jun 2023 | 12 Apr 2023 | --- | --- |
| Machine Hours | 2398 | 1263 | --- | --- |
| Oil Hours | 1000 | 1263 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 133 | 158 | --- | --- |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|---|-----|-----|
| Silicon | ppm | 2 | 5 | --- | --- |
| Sodium | ppm | <1 | 4 | --- | --- |
| Potassium | ppm | 0 | 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 | 15 | 22 | --- | --- |
| Copper | ppm | 3 | 6 | --- | --- |
| Lead | ppm | 0 | 0 | --- | --- |
| Tin | ppm | 0 | 0 | --- | --- |
| Aluminum | ppm | <1 | <1 | --- | --- |
| Chromium | ppm | 0 | <1 | --- | --- |
| Molybdenum | ppm | 0 | <1 | --- | --- |
| Nickel | ppm | 0 | 0 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | <1 | 1 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|------------|------|-----|-----|
| Calcium | ppm | 24 | 12 | --- | --- |
| Magnesium | ppm | 0 | 6 | --- | --- |
| Zinc | ppm | 12 | 14 | --- | --- |
| Phosphorus | ppm | 560 | 1274 | --- | --- |
| Barium | ppm | 2 | 168 | --- | --- |
| Boron | ppm | 6 | 65 | --- | --- |

Depot: VOLVO2990
Unique No: 10546423
Signed: Don Baldrige
Report Date: 07 Jul 2023



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GRAPHS

