



CONSTRUCTION EQUIPMENT

512280 LIBERTY GENIE S-65 S6011-22685 - SWING DRIVE



Sample No: VCP454255
Oil Type: GEAR OIL SAE 80W90
Job No: 512280 LIBERTY



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP454255 | --- | --- | --- |
| Sample Date | 03 Apr 2024 | --- | --- | --- |
| Machine Hours | 2050 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | SEVERE | --- | --- | --- |

ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE
BLOOMINGTON, IL
US 61705
Contact: MIKE MARTIN
mike.martin@altaequipment.com
T:
F:



OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 142 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|-----|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Silicon | ppm | █ 4 | --- | --- | --- |
| Sodium | ppm | █ 7 | --- | --- | --- |
| Potassium | ppm | █ 0 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Iron | ppm | ▲ 1004 | --- | --- | --- |
| Copper | ppm | █ 5 | --- | --- | --- |
| Lead | ppm | █ 11 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | █ 0 | --- | --- | --- |
| Chromium | ppm | █ 3 | --- | --- | --- |
| Molybdenum | ppm | █ 0 | --- | --- | --- |
| Nickel | ppm | █ <1 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | █ 11 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 13 | --- | --- | --- |
| Magnesium | ppm | █ 2 | --- | --- | --- |
| Zinc | ppm | █ 21 | --- | --- | --- |
| Phosphorus | ppm | █ 1076 | --- | --- | --- |
| Barium | ppm | █ 15 | --- | --- | --- |
| Boron | ppm | █ 72 | --- | --- | --- |

Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VOLVO5054
Unique No: 10980881
Signed: Jonathan Hester
Report Date: 19 Apr 2024



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GRAPHS

