



CONSTRUCTION EQUIPMENT

5307 - FRONT AXLE



Sample No: VCP392491
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP392491 | VCP298105 | --- | --- |
| Sample Date | 02 Apr 2024 | 28 Aug 2021 | --- | --- |
| Machine Hours | 13796 | 10039 | --- | --- |
| Oil Hours | 2000 | 4000 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

GREAT WEST EQUIPMENT
 1600 KOSMINA ROAD, 123 L&A CROSS RD
 VERNON, BC
 CA V1T 8T2
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OIL CONDITION

| | | | | | |
|----------------------|-------|-------------|------|-----|-----|
| Visc @ 40°C | cSt | 41.9 | 39.9 | --- | --- |
| Visc @ 100°C | cSt | 7.3 | --- | --- | --- |
| Viscosity Index (VI) | Scale | 138 | --- | --- | --- |

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.



CONTAMINATION

| | | | | | |
|-----------|-----|------------|-----|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | 13 | 12 | --- | --- |
| Sodium | ppm | 7 | 8 | --- | --- |
| Potassium | ppm | 1 | 2 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|-----|-----|
| Iron | ppm | 73 | 88 | --- | --- |
| Copper | ppm | <1 | 1 | --- | --- |
| Lead | ppm | 0 | 0 | --- | --- |
| Tin | ppm | 0 | 0 | --- | --- |
| Aluminum | ppm | 1 | 2 | --- | --- |
| Chromium | ppm | 1 | 1 | --- | --- |
| Molybdenum | ppm | 0 | <1 | --- | --- |
| Nickel | ppm | <1 | <1 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 1 | 2 | --- | --- |
| Vanadium | ppm | 0 | <1 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|-----|-----|
| Calcium | ppm | 3605 | 4047 | --- | --- |
| Magnesium | ppm | 14 | 12 | --- | --- |
| Zinc | ppm | 1437 | 1707 | --- | --- |
| Phosphorus | ppm | 1174 | 1440 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 100 | 130 | --- | --- |

Depot: MARVER
Unique No: 5763681
Signed: Kevin Marson
Report Date: 23 Apr 2024



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GRAPHS

