



CONSTRUCTION EQUIPMENT

SPM581080 WASTE MGMT VOLVO L120H 32310 - FRONT AXLE



Sample No: VCP409223
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No: SPM581080 WASTE MGMT



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP409223 | VCP342027 | --- | --- |
| Sample Date | 25 Jul 2023 | 26 Oct 2021 | --- | --- |
| Machine Hours | 14550 | 10947 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Not Chngd | Not Chngd | --- | --- |
| Sample Status | ABNORMAL | NORMAL | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|------|------|-----|-----|
| Visc @ 40°C | cSt | 40.2 | 41.8 | --- | --- |
|-------------|-----|------|------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|-------|-----|-----|-----|
| Water | % | 0.491 | --- | --- | --- |
| Silicon | ppm | 11 | 12 | --- | --- |
| Sodium | ppm | 8 | 2 | --- | --- |
| Potassium | ppm | 3 | 2 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|----|----|-----|-----|
| Iron | ppm | 36 | 45 | --- | --- |
| Copper | ppm | 1 | <1 | --- | --- |
| Lead | ppm | <1 | 0 | --- | --- |
| Tin | ppm | 0 | 0 | --- | --- |
| Aluminum | ppm | 2 | 0 | --- | --- |
| Chromium | ppm | 2 | <1 | --- | --- |
| Molybdenum | ppm | 3 | 1 | --- | --- |
| Nickel | ppm | <1 | 0 | --- | --- |
| Titanium | ppm | 0 | <1 | --- | --- |
| Silver | ppm | 0 | <1 | --- | --- |
| Manganese | ppm | 3 | 1 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|------|------|-----|-----|
| Calcium | ppm | 3878 | 4364 | --- | --- |
| Magnesium | ppm | 9 | 19 | --- | --- |
| Zinc | ppm | 1586 | 1596 | --- | --- |
| Phosphorus | ppm | 1332 | 1371 | --- | --- |
| Barium | ppm | 1 | 0 | --- | --- |
| Boron | ppm | 143 | 139 | --- | --- |

Diagnosis

We advise that you check for the source of water entry. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO8885
Unique No: 10602449
Signed: Sean Felton
Report Date: 14 Aug 2023



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GRAPHS

