



CONSTRUCTION EQUIPMENT

W14606 VOLVO L220H 2893 - FRONT AXLE



Sample No: VCP404655
Oil Type: VOLVO WB 102
Job No: W14606



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP404655 | VCP405877 | VCP370687 | VCP354847 |
| Sample Date | 24 Aug 2023 | 15 Jun 2023 | 16 Nov 2022 | 07 Jul 2022 |
| Machine Hours | 7499 | 7098 | 6485 | 6008 |
| Oil Hours | 0 | 1000 | 500 | 1000 |
| Oil Changed | Not Chngd | Not Chngd | Not Chngd | Not Chngd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

HOUSBY HEAVY EQUIPMENT, LLC
 4410 SE 4 MILE DR
 ANKENY, IA
 US 50021
 Contact: RANDY VANDERLEEST
 rvanderleest@housby.com
 T:
 F: (515)964-2865



OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 41.3 | 41.5 | 41.1 | 41.1 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|-----------|----|----|---|
| Silicon | ppm | 12 | 19 | 13 | 9 |
| Sodium | ppm | 6 | 8 | 8 | 6 |
| Potassium | ppm | 2 | 2 | 0 | 0 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|----|
| Iron | ppm | 14 | 14 | 45 | 27 |
| Copper | ppm | 1 | <1 | 1 | 2 |
| Lead | ppm | 0 | <1 | 0 | 0 |
| Tin | ppm | 0 | <1 | <1 | <1 |
| Aluminum | ppm | 2 | 2 | 1 | <1 |
| Chromium | ppm | <1 | <1 | <1 | <1 |
| Molybdenum | ppm | 3 | 3 | 3 | 3 |
| Nickel | ppm | 0 | <1 | 0 | 0 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 1 | 1 | 1 | <1 |
| Vanadium | ppm | 0 | <1 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 3992 | 4005 | 3596 | 3137 |
| Magnesium | ppm | 27 | 30 | 22 | 18 |
| Zinc | ppm | 1606 | 1641 | 1492 | 1292 |
| Phosphorus | ppm | 1301 | 1291 | 1179 | 989 |
| Barium | ppm | 2 | 0 | 0 | 0 |
| Boron | ppm | 159 | 152 | 118 | 115 |

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.

Depot: VOLVO0080
Unique No: 10633287
Signed: Wes Davis
Report Date: 06 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

