



CONSTRUCTION EQUIPMENT

SPM619897 VOLVO L90H 624199 - TRANSMISSION (AUTO)



Sample No: VCP415335
Oil Type: VOLVO AT 102
Job No: SPM619897



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP415335 | VCP354483 | VCP422178 | VCP383369 |
| Sample Date | 12 Oct 2023 | 22 Aug 2023 | 06 Jun 2023 | 28 Feb 2023 |
| Machine Hours | 9889 | 9032 | 9032 | 8356 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Chngd | Not Chngd | Not Chngd | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

UNITED SCRAP
 1545 S CICERO AVE
 CICERO, IL
 US 60804
 Contact: RON LUCHTENBURG
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 T:
 F:



OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 28.9 | 28.9 | 28.9 | 28.9 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|----------|---|---|---|
| Silicon | ppm | 3 | 4 | 2 | 2 |
| Sodium | ppm | 2 | 3 | 2 | 0 |
| Potassium | ppm | 2 | 1 | 0 | 2 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|---|----|
| Iron | ppm | 5 | 9 | 7 | 6 |
| Copper | ppm | 5 | 7 | 3 | 3 |
| Lead | ppm | <1 | 0 | 0 | 0 |
| Tin | ppm | <1 | 0 | 0 | 0 |
| Aluminum | ppm | 1 | 1 | 1 | 2 |
| Chromium | ppm | 0 | <1 | 0 | 0 |
| Molybdenum | ppm | 1 | 3 | 2 | 2 |
| Nickel | ppm | 0 | 0 | 0 | 0 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | <1 | <1 | 0 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 112 | 156 | 132 | 136 |
| Magnesium | ppm | 40 | 43 | 36 | 33 |
| Zinc | ppm | 48 | 103 | 54 | 63 |
| Phosphorus | ppm | 226 | 294 | 240 | 227 |
| Barium | ppm | 0 | 2 | 0 | 0 |
| Boron | ppm | 79 | 108 | 92 | 88 |

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: UNICICIL
Unique No: 10713448
Signed: Wes Davis
Report Date: 27 Oct 2023



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VOLVO GRAPHS

