



CONSTRUCTION EQUIPMENT

SWO-064335 VOLVO A40F 11843 - TRANSMISSION (AUTO)



Sample No: VCP416744
Oil Type: NOT GIVEN
Job No: SWO-064335



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP416744 | VCP395231 | VCP404345 | VCP364233 |
| Sample Date | 02 Aug 2023 | 12 Apr 2023 | 08 Dec 2022 | 29 Aug 2022 |
| Machine Hours | 6103 | 5555 | 5050 | 4525 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Not Changd | Changed | Not Changd |
| Sample Status | NORMAL | ABNORMAL | ABNORMAL | NORMAL |

SAIIA CONSTRUCTION LLC

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 28.4 | 28.5 | 28.2 | 28.4 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

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



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-------|-----|
| Iron | ppm | 15 | 10 | 16 | 11 |
| Copper | ppm | 216 | 122 | ▲ 244 | 185 |
| Lead | ppm | 0 | 0 | 0 | 1 |
| Tin | ppm | 10 | 6 | ▲ 11 | 10 |
| Aluminum | ppm | 6 | 4 | 8 | 5 |
| Chromium | ppm | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | <1 | <1 | 0 | <1 |
| Nickel | ppm | <1 | 0 | <1 | 0 |
| Titanium | ppm | 0 | <1 | 0 | 0 |
| Silver | ppm | <1 | 0 | 0 | <1 |
| Manganese | ppm | <1 | <1 | 0 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 75 | 73 | 73 | 81 |
| Magnesium | ppm | 2 | 5 | <1 | 1 |
| Zinc | ppm | 6 | 0 | 4 | 12 |
| Phosphorus | ppm | 184 | 190 | 190 | 202 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 98 | 94 | 86 | 101 |

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: SAIBIR
Unique No: 10589884
Signed: Don Baldrige
Report Date: 09 Aug 2023



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GRAPHS

