



CONSTRUCTION EQUIPMENT

VOLVO A30G 742658 - WET DISC BRAKE



Sample No: VCP0008082
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP0008082 | VCP315040 | --- | --- |
| Sample Date | 02 Oct 2023 | 10 Mar 2021 | --- | --- |
| Machine Hours | 0 | 938 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | N/A | Not Changd | --- | --- |
| Sample Status | ABNORMAL | ABNORMAL | --- | --- |

ALTA EQUIPMENT COMPANY
 8750 PHILIPS HWY
 JACKSONVILLE, FL
 US 32256
 Contact: SHAWN NORTHCRAFT
 shawn.northcraft@altg.com
 T: (904)737-6000
 F: (904)737-1260



OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|-----|-----|
| Visc @ 40°C | cSt | 41.7 | 39.3 | --- | --- |
|-------------|-----|-------------|------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|-----|-----|-----|
| Water | % | 0.360 | --- | --- | --- |
| Silicon | ppm | 10 | 14 | --- | --- |
| Sodium | ppm | 7 | 6 | --- | --- |
| Potassium | ppm | <1 | 5 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Iron | ppm | 7 | 8 | --- | --- |
| Copper | ppm | 138 | 204 | --- | --- |
| Lead | ppm | <1 | 0 | --- | --- |
| Tin | ppm | 0 | 0 | --- | --- |
| Aluminum | ppm | 4 | 0 | --- | --- |
| Chromium | ppm | <1 | 0 | --- | --- |
| Molybdenum | ppm | 0 | 1 | --- | --- |
| Nickel | ppm | 0 | <1 | --- | --- |
| Titanium | ppm | 0 | <1 | --- | --- |
| Silver | ppm | 0 | <1 | --- | --- |
| Manganese | ppm | <1 | 1 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|-----|-----|
| Calcium | ppm | 3067 | 4114 | --- | --- |
| Magnesium | ppm | 6 | 5 | --- | --- |
| Zinc | ppm | 1329 | 1491 | --- | --- |
| Phosphorus | ppm | 1161 | 1345 | --- | --- |
| Barium | ppm | 0 | <1 | --- | --- |
| Boron | ppm | 103 | 126 | --- | --- |

Diagnosis

We advise that you check for the source of water entry. Resample at the next service interval to monitor. The copper level has decreased, but is still abnormal. All other 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: VOLVO0092
Unique No: 10675874
Signed: Sean Felton
Report Date: 06 Oct 2023

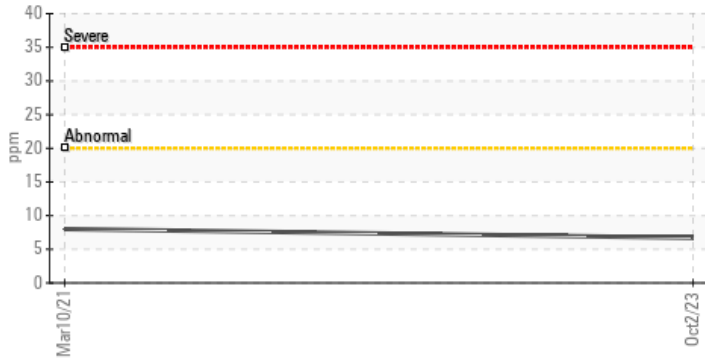


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GRAPHS

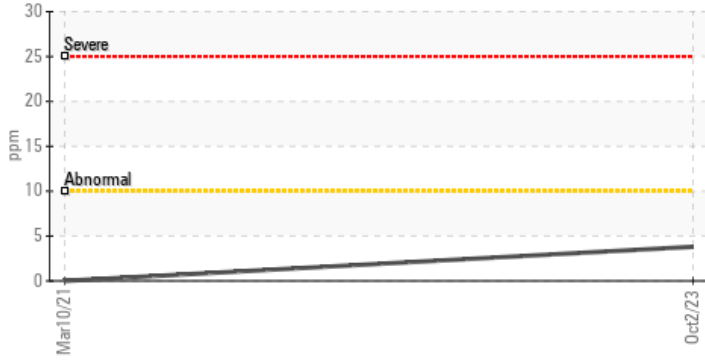
Iron (ppm)



Lead (ppm)



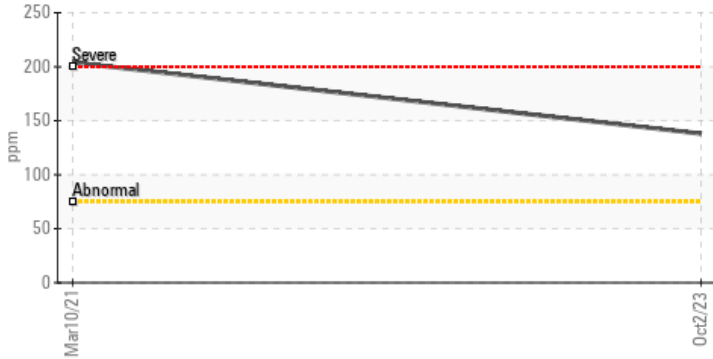
Aluminum (ppm)



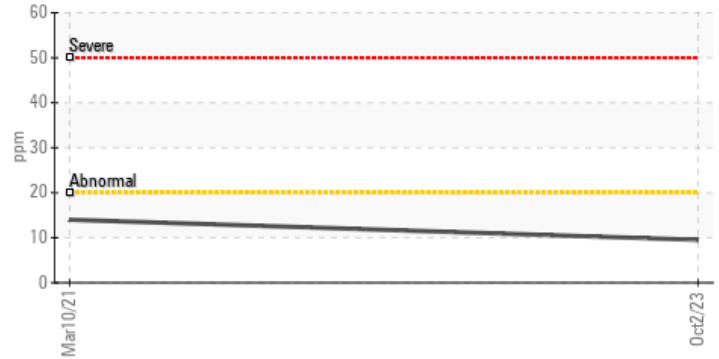
Chromium (ppm)



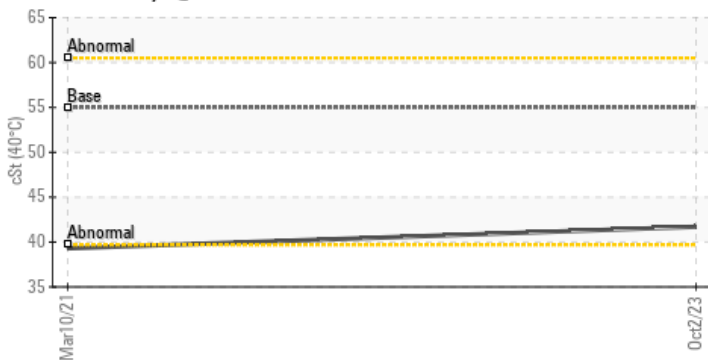
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



▲ Water

