



CONSTRUCTION EQUIPMENT

579653 VOLVO A40G 353131 - BRAKE COOLING SYSTEM



Sample No: VCP411770
Oil Type: VOLVO SUPER WET BRAKE TRANSAXLE OIL WB102
Job No: 579653



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP411770 | --- | --- | --- |
| Sample Date | 13 Jul 2023 | --- | --- | --- |
| Machine Hours | 2234 | --- | --- | --- |
| Oil Hours | 2234 | --- | --- | --- |
| Oil Changed | Not Chngd | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
rtturner@ripatampa.com
T:
F:



OIL CONDITION

| | | | | | |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 40.5 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Silicon | ppm | █ 20 | --- | --- | --- |
| Sodium | ppm | █ 6 | --- | --- | --- |
| Potassium | ppm | █ 2 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 17 | --- | --- | --- |
| Copper | ppm | █ 59 | --- | --- | --- |
| Lead | ppm | █ <1 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | █ <1 | --- | --- | --- |
| Chromium | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ 0 | --- | --- | --- |
| Nickel | ppm | █ 6 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | █ <1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 3816 | --- | --- | --- |
| Magnesium | ppm | █ 8 | --- | --- | --- |
| Zinc | ppm | █ 1628 | --- | --- | --- |
| Phosphorus | ppm | █ 1393 | --- | --- | --- |
| Barium | ppm | █ 2 | --- | --- | --- |
| Boron | ppm | █ 142 | --- | --- | --- |

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: RIPTAM
Unique No: 10566016
Signed: Don Baldrige
Report Date: 25 Jul 2023

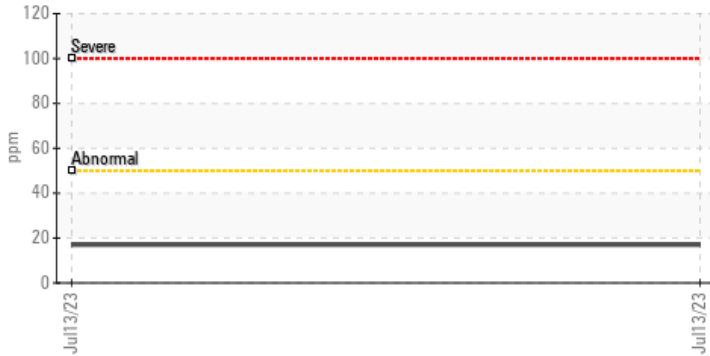


CONSTRUCTION EQUIPMENT

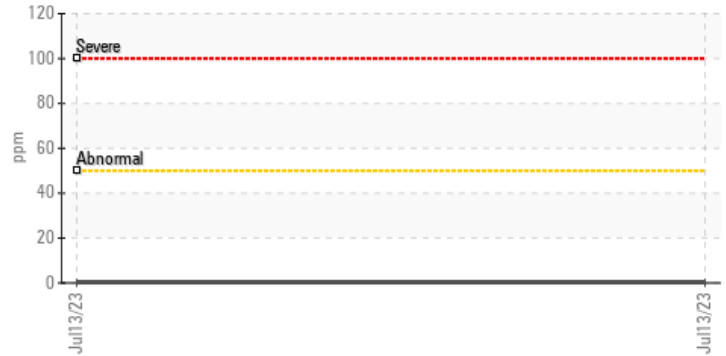


GRAPHS

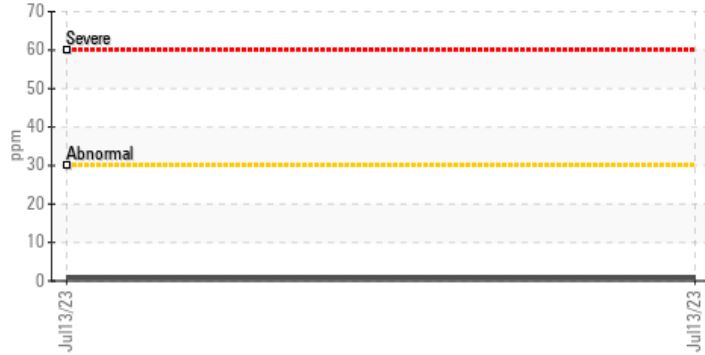
Iron (ppm)



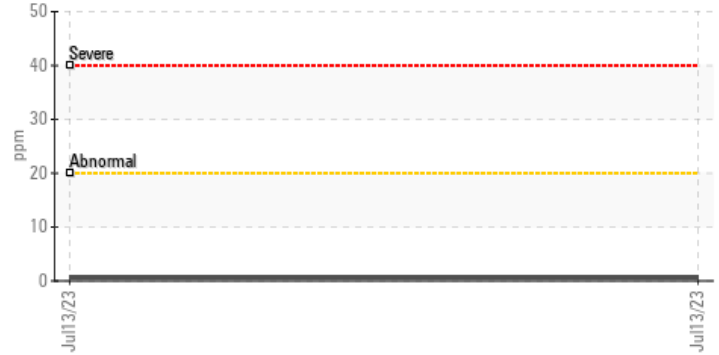
Lead (ppm)



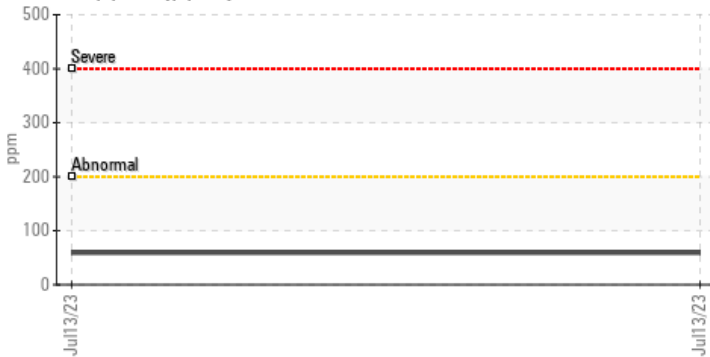
Aluminum (ppm)



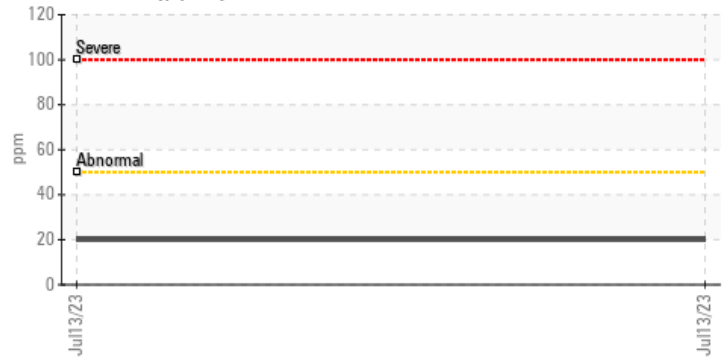
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

