



CONSTRUCTION EQUIPMENT

VOLVO A40G 340097 - HYDRAULIC SYSTEM



Sample No: VCP425010
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



VOLVO SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP425010 | --- | --- | --- |
| Sample Date | 11 Aug 2023 | --- | --- | --- |
| Machine Hours | 5294 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Not Changed | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:

VOLVO OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 42.2 | --- | --- | --- |
| Acid Number (AN) | mg KOH/g | █ 0.31 | --- | --- | --- |

VOLVO CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Silicon | ppm | █ 12 | --- | --- | --- |
| Sodium | ppm | █ 2 | --- | --- | --- |
| Potassium | ppm | █ 0 | --- | --- | --- |

VOLVO WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 12 | --- | --- | --- |
| Copper | ppm | █ 7 | --- | --- | --- |
| Lead | ppm | █ 2 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | █ 4 | --- | --- | --- |
| Chromium | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ 0 | --- | --- | --- |
| Nickel | ppm | █ 0 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | █ <1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |

VOLVO ADDITIVES

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Calcium | ppm | █ 84 | --- | --- | --- |
| Magnesium | ppm | █ 8 | --- | --- | --- |
| Zinc | ppm | █ 442 | --- | --- | --- |
| Phosphorus | ppm | █ 229 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 0 | --- | --- | --- |

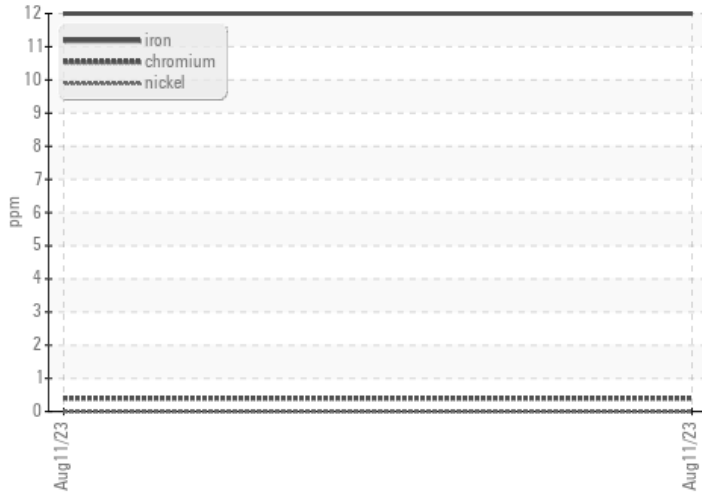
Diagnosis
 We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. High concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: RIPTAM
Unique No: 10655155
Signed: Jonathan Hester
Report Date: 20 Sep 2023

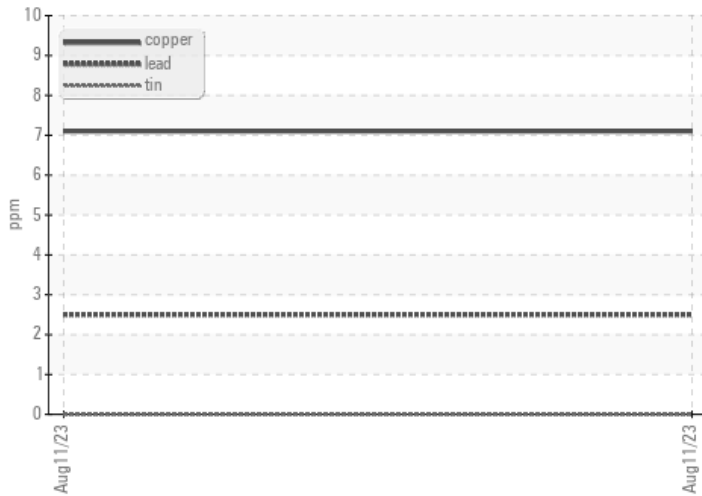


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

