



CONSTRUCTION EQUIPMENT

52082 VOLVO ECR145E 314543 - HYDRAULIC SYSTEM



Sample No: VCP439468
Oil Type: TDH FLUID SAE 75W80
Job No: 52082



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP439468 | --- | --- | --- |
| Sample Date | 26 Dec 2023 | --- | --- | --- |
| Machine Hours | 4602 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Not Chngd | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

BURNS CONSTRUCTION
 300 SPERRY AVE
 STRATFORD, CT
 US 06615
 Contact: SERVICE MANAGER



OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 46.4 | --- | --- | --- |
| Acid Number (AN) | mg KOH/g | █ 1.26 | --- | --- | --- |

T:
F:



CONTAMINATION

| | | | | | |
|-------------------|-----|----------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Particles >4µm | | █ 8618 | --- | --- | --- |
| Particles >6µm | | █ 1016 | --- | --- | --- |
| Particles >14µm | | █ 99 | --- | --- | --- |
| ISO 4406:1999 (c) | | 20/17/14 | --- | --- | --- |
| Silicon | ppm | █ 7 | --- | --- | --- |
| Sodium | ppm | █ 2 | --- | --- | --- |
| Potassium | ppm | █ 0 | --- | --- | --- |

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 3 | --- | --- | --- |
| Copper | ppm | █ 21 | --- | --- | --- |
| Lead | ppm | █ <1 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | █ <1 | --- | --- | --- |
| Chromium | ppm | █ 0 | --- | --- | --- |
| Molybdenum | ppm | █ 4 | --- | --- | --- |
| Nickel | ppm | █ 0 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | █ 0 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 2336 | --- | --- | --- |
| Magnesium | ppm | █ 33 | --- | --- | --- |
| Zinc | ppm | █ 1190 | --- | --- | --- |
| Phosphorus | ppm | █ 1047 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 8 | --- | --- | --- |

Depot: BURSTR
Unique No: 10809369
Signed: Don Baldrige
Report Date: 03 Jan 2024

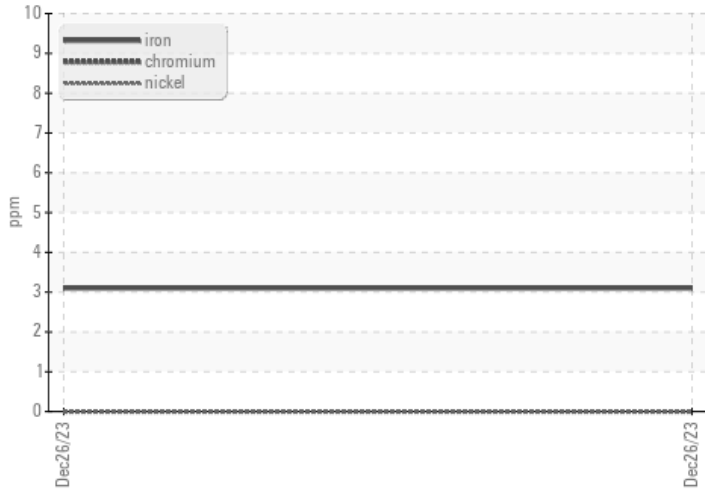


CONSTRUCTION EQUIPMENT

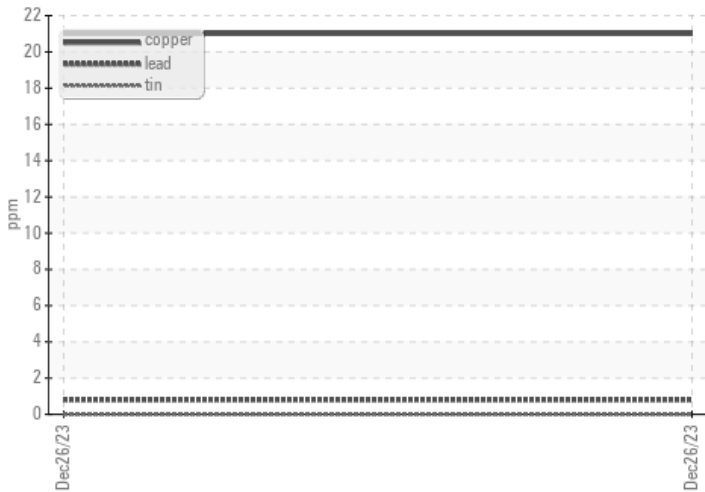


GRAPHS

Ferrous Alloys



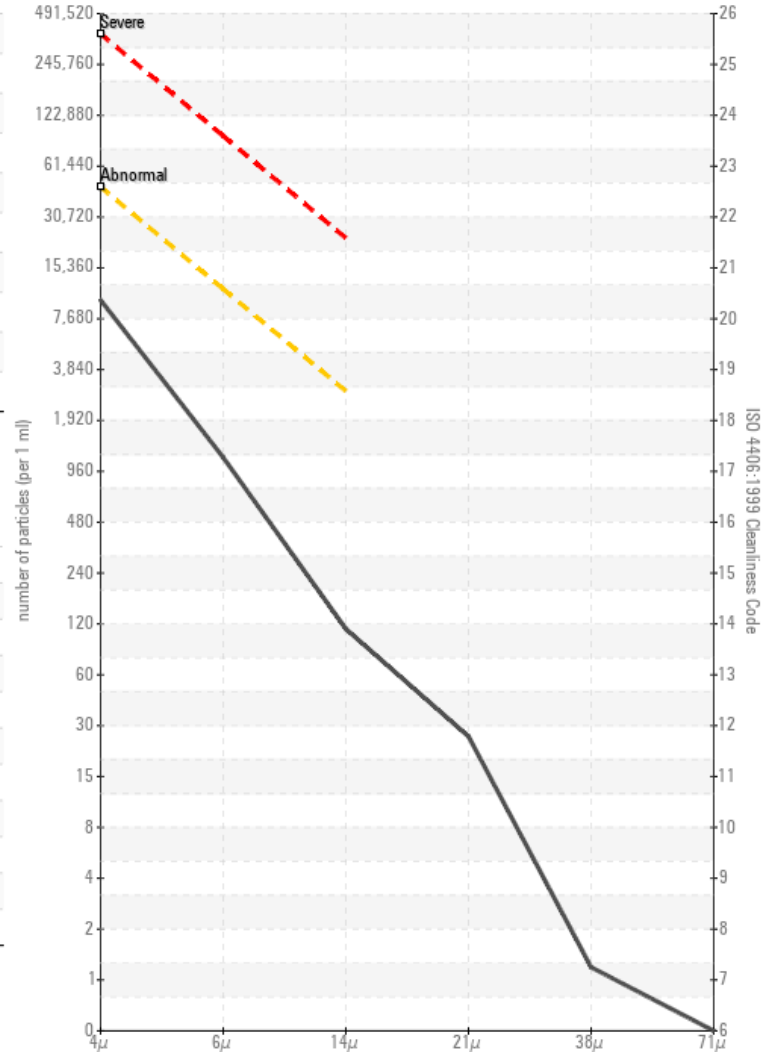
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

