



CONSTRUCTION EQUIPMENT

X47387 VOLVO A25G 752487 - HYDRAULIC SYSTEM



Sample No: VCP427018
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: X47387



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP427018 | --- | --- | --- |
| Sample Date | 09 Aug 2023 | --- | --- | --- |
| Machine Hours | 1928 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | N/A | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

SCOTT EQUIPMENT COMPANY LLC - Lake Charles
 PO BOX 16955
 LAKE CHARLES, LA
 US 70616
 Contact: SAMANTHA SOILEAU
 ssoileau@scottcompanies.com
 T: (337)433-9811
 F: (318)433-6623



OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 43.0 | --- | --- | --- |
| Acid Number (AN) | mg KOH/g | █ 0.40 | --- | --- | --- |



CONTAMINATION

| | | | | | |
|-------------------|-----|------------|-----|-----|-----|
| Particles >4µm | | █ 10187 | --- | --- | --- |
| Particles >6µm | | █ 2701 | --- | --- | --- |
| Particles >14µm | | █ 147 | --- | --- | --- |
| ISO 4406:1999 (c) | | █ 21/19/14 | --- | --- | --- |
| Silicon | ppm | █ 4 | --- | --- | --- |
| Sodium | ppm | █ 0 | --- | --- | --- |
| Potassium | ppm | █ <1 | --- | --- | --- |

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 5 | --- | --- | --- |
| Copper | ppm | █ 3 | --- | --- | --- |
| Lead | ppm | █ 2 | --- | --- | --- |
| Tin | ppm | █ <1 | --- | --- | --- |
| Aluminum | ppm | █ 0 | --- | --- | --- |
| Chromium | ppm | █ 0 | --- | --- | --- |
| Molybdenum | ppm | █ 0 | --- | --- | --- |
| Nickel | ppm | █ 0 | --- | --- | --- |
| Titanium | ppm | █ 0 | --- | --- | --- |
| Silver | ppm | █ 0 | --- | --- | --- |
| Manganese | ppm | █ 0 | --- | --- | --- |
| Vanadium | ppm | █ 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Calcium | ppm | █ 60 | --- | --- | --- |
| Magnesium | ppm | █ 2 | --- | --- | --- |
| Zinc | ppm | █ 431 | --- | --- | --- |
| Phosphorus | ppm | █ 326 | --- | --- | --- |
| Barium | ppm | █ 1 | --- | --- | --- |
| Boron | ppm | █ 0 | --- | --- | --- |

Depot: VOLVO6244
Unique No: 10606007
Signed: Wes Davis
Report Date: 17 Aug 2023

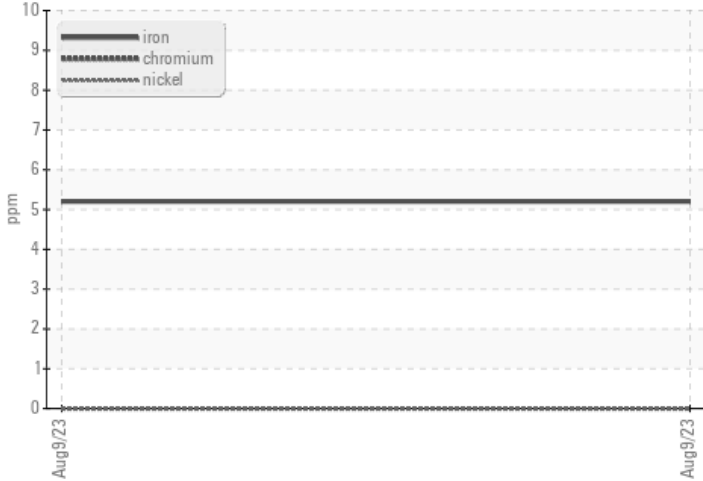


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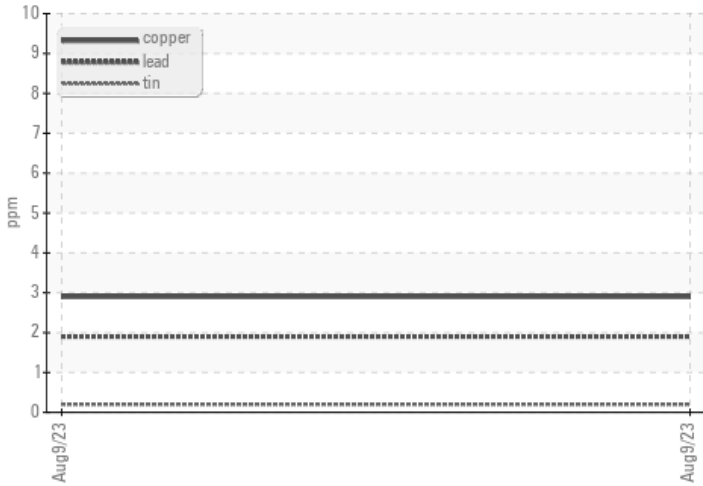


GRAPHS

Ferrous Alloys



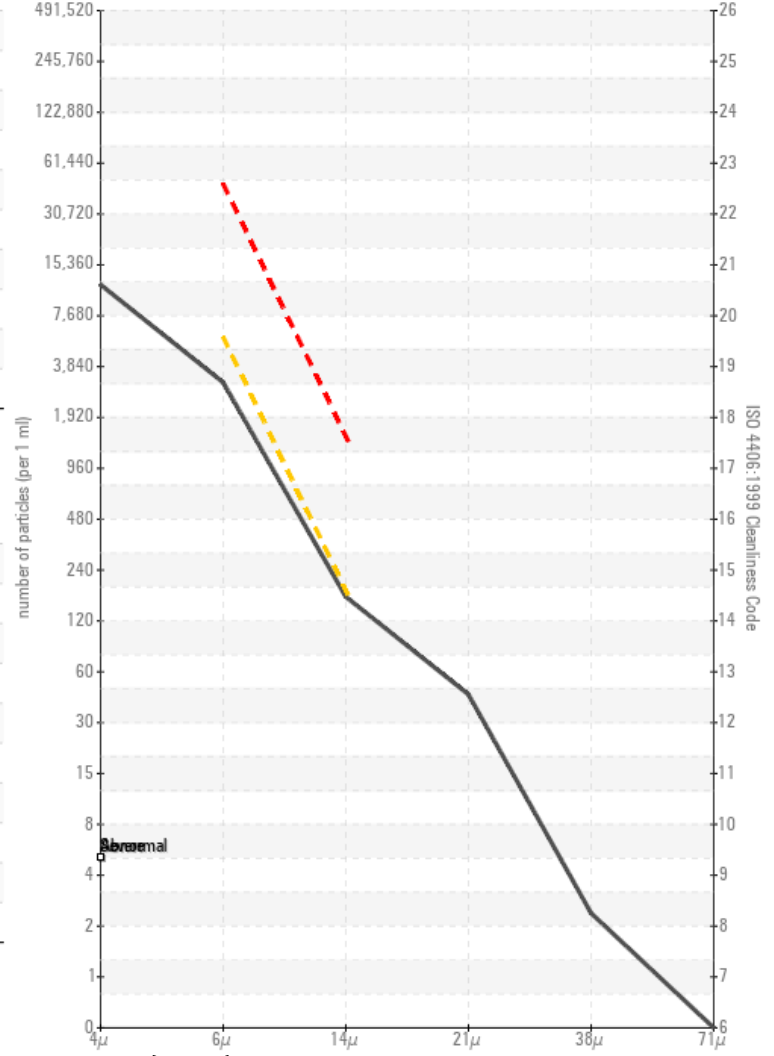
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

