



CONSTRUCTION EQUIPMENT

687484 VOLVO A30G 752866 - HYDRAULIC SYSTEM



Sample No: VCP445394
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 687484



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP445394 | VCP396907 | --- | --- |
| Sample Date | 15 Mar 2024 | 05 Jul 2023 | --- | --- |
| Machine Hours | 2208 | 1096 | --- | --- |
| Oil Hours | 2208 | 1096 | --- | --- |
| Oil Changed | Not Chngd | Not Chngd | --- | --- |
| Sample Status | NORMAL | ATTENTION | --- | --- |

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

OIL CONDITION

| | | | | | |
|------------------|----------|------|------|-----|-----|
| Visc @ 40°C | cSt | 43.3 | 44.0 | --- | --- |
| Acid Number (AN) | mg KOH/g | 0.40 | 0.40 | --- | --- |

CONTAMINATION

| | | | | | |
|-------------------|-----|----------|----------|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Particles >4µm | | 3620 | 6416 | --- | --- |
| Particles >6µm | | 1093 | 2294 | --- | --- |
| Particles >14µm | | 105 | 241 | --- | --- |
| ISO 4406:1999 (c) | | 19/17/14 | 20/18/15 | --- | --- |
| Silicon | ppm | 3 | 4 | --- | --- |
| Sodium | ppm | 1 | 0 | --- | --- |
| Potassium | ppm | 0 | <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 | 4 | 4 | --- | --- |
| Copper | ppm | 2 | 3 | --- | --- |
| Lead | ppm | <1 | 2 | --- | --- |
| Tin | ppm | 0 | <1 | --- | --- |
| Aluminum | ppm | 0 | <1 | --- | --- |
| Chromium | ppm | 0 | 0 | --- | --- |
| Molybdenum | ppm | 0 | 0 | --- | --- |
| Nickel | ppm | 0 | 0 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 0 | 0 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| Calcium | ppm | 64 | 60 | --- | --- |
| Magnesium | ppm | <1 | 0 | --- | --- |
| Zinc | ppm | 364 | 430 | --- | --- |
| Phosphorus | ppm | 296 | 328 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 0 | 0 | --- | --- |

Depot: RIPTAM
Unique No: 10975883
Signed: Wes Davis
Report Date: 12 Apr 2024

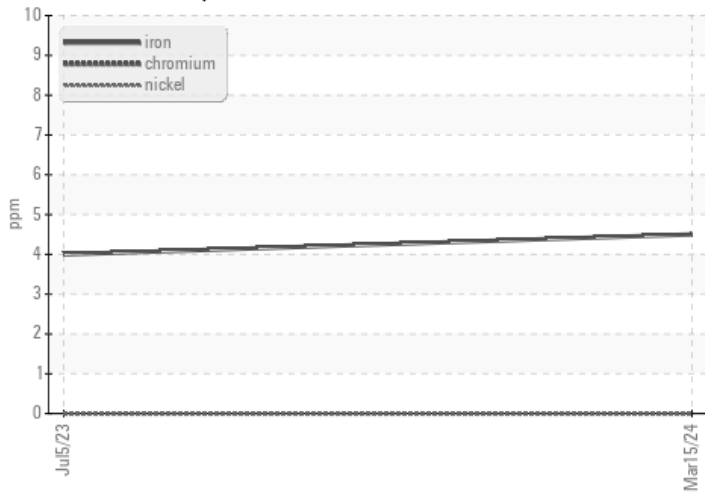


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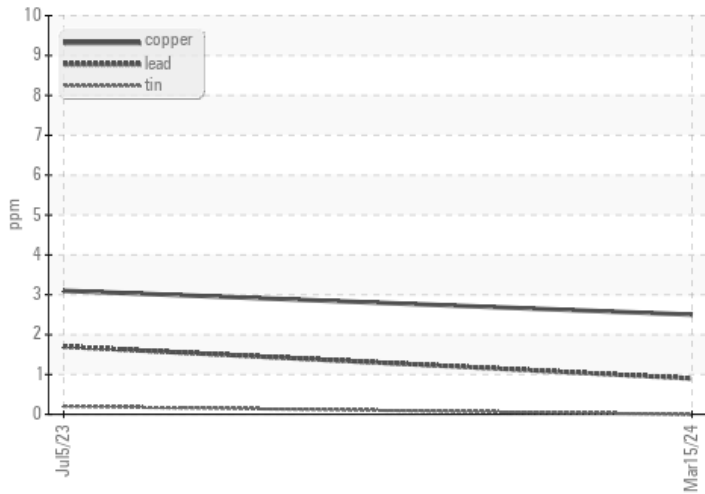


GRAPHS

Ferrous Alloys



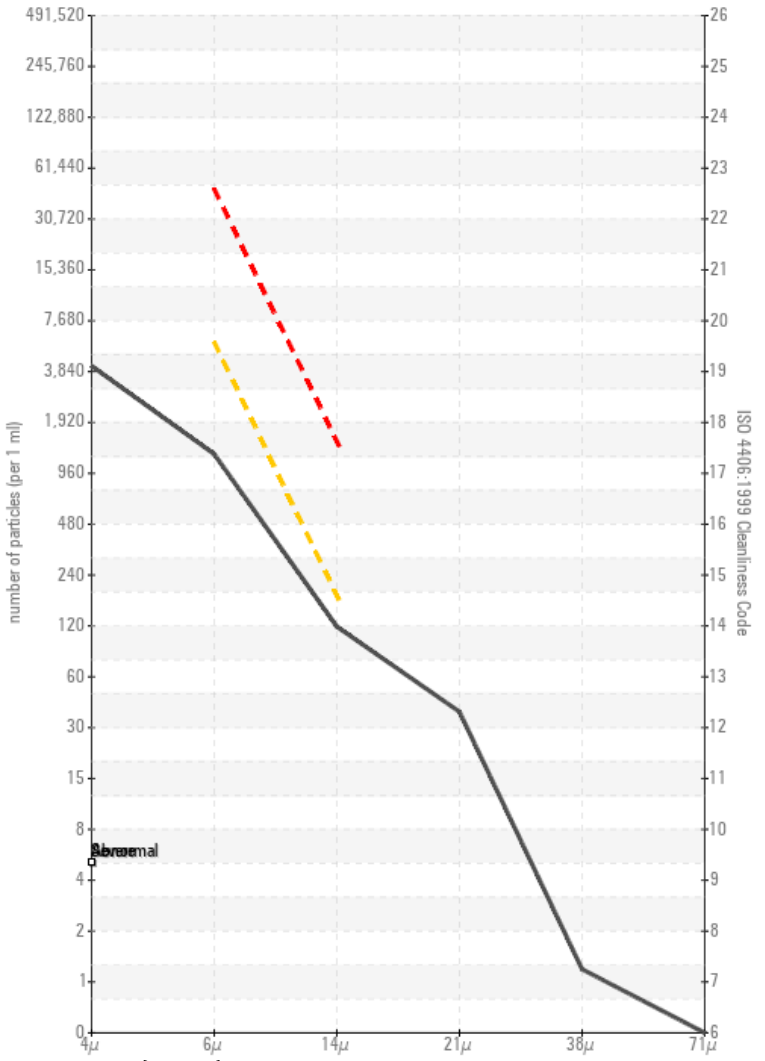
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

