



CONSTRUCTION EQUIPMENT

SW-35693-2 RIGID BLD VOLVO A45G 352709 - HYDRAULIC SYSTEM



Sample No: VCP454287
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SW-35693-2 RIGID BLD



SAMPLE INFORMATION

Sample Number	VCP454287	---	---	---
Sample Date	04 Jun 2024	---	---	---
Machine Hours	5343	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

ARNOLD MACHINERY COMPANY
 2975 WEST 2100 SOUTH
 SALT LAKE CITY, UT
 US 84119
 Contact: TONY PAYAN
 tpayan@arnoldmachinery.com
 T: (801)972-4000
 F: (801)975-9434



OIL CONDITION

Visc @ 40°C	cSt	█ 44.6	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.21	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 372	---	---	---
Particles >6µm		█ 102	---	---	---
Particles >14µm		█ 11	---	---	---
ISO 4406:1999 (c)		16/14/11	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 3	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.
 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	█ 2	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---



ADDITIVES

Calcium	ppm	█ 116	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 213	---	---	---
Phosphorus	ppm	█ 202	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO8770
Unique No: 11071983
Signed: Wes Davis
Report Date: 11 Jun 2024

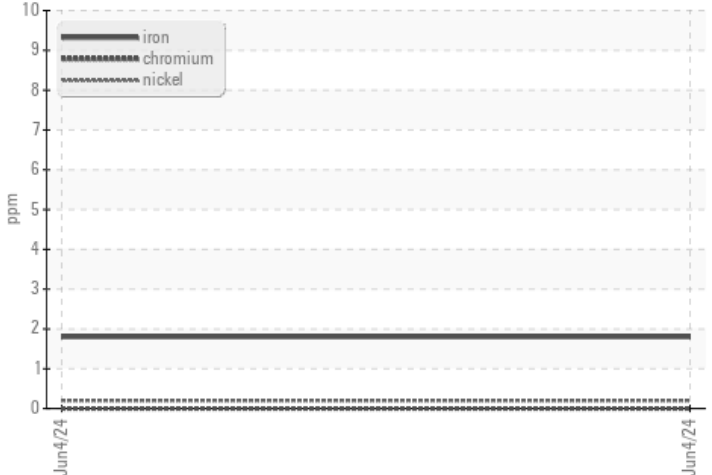


CONSTRUCTION EQUIPMENT

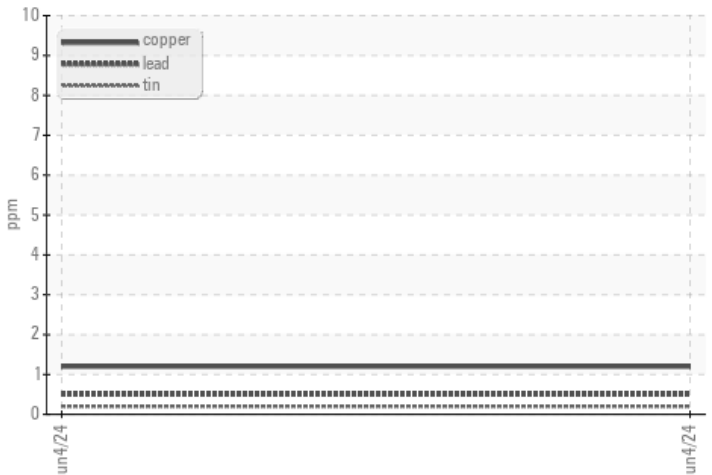


GRAPHS

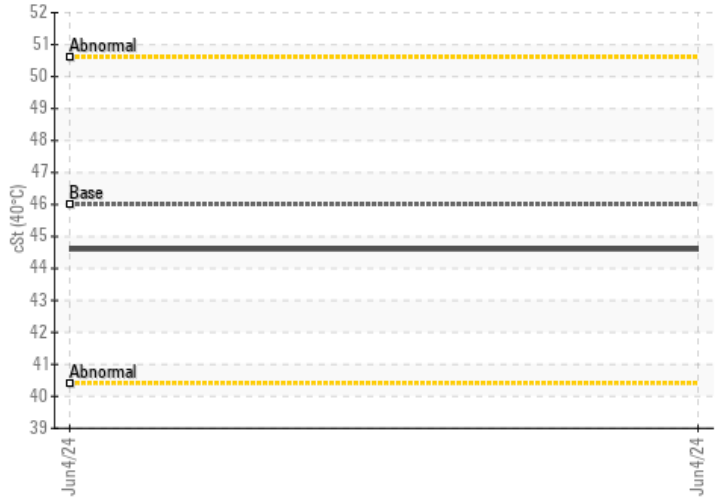
Ferrous Alloys



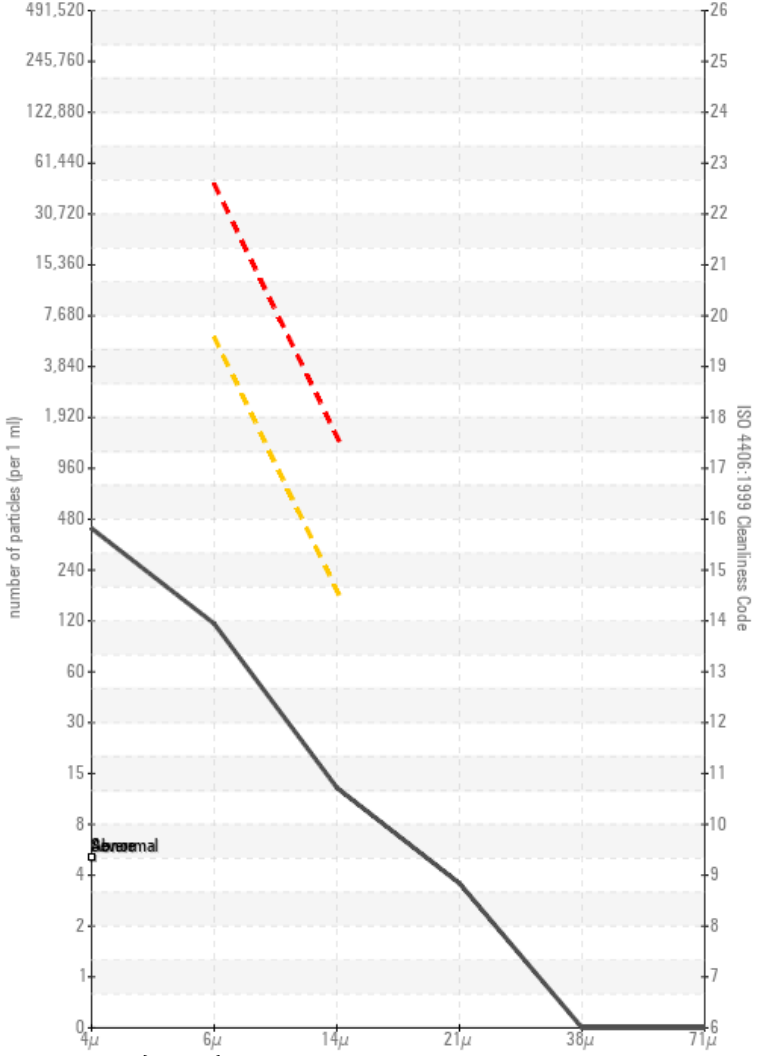
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

