



CONSTRUCTION EQUIPMENT

SPM717501 AMG LIEBHERR LH40 146405 - HYDRAULIC SYSTEM



Sample No: VCP436299
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM717501 AMG



SAMPLE INFORMATION

Sample Number	VCP436299	---	---	---
Sample Date	07 Jun 2024	---	---	---
Machine Hours	1142	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT CO - ORLAND PARK
 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
 DAVE.ENG@ALTG.COM
 T: (312)350-2560
 F:



OIL CONDITION

Visc @ 40°C	cSt	█ 41.5	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.64	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 2099	---	---	---
Particles >6µm		█ 635	---	---	---
Particles >14µm		█ 29	---	---	---
ISO 4406:1999 (c)		18/16/12	---	---	---
Silicon	ppm	█ 2	---	---	---
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	█ 3	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 111	---	---	---
Magnesium	ppm	█ 3	---	---	---
Zinc	ppm	█ 443	---	---	---
Phosphorus	ppm	█ 342	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO8885
Unique No: 11087437
Signed: Wes Davis
Report Date: 20 Jun 2024

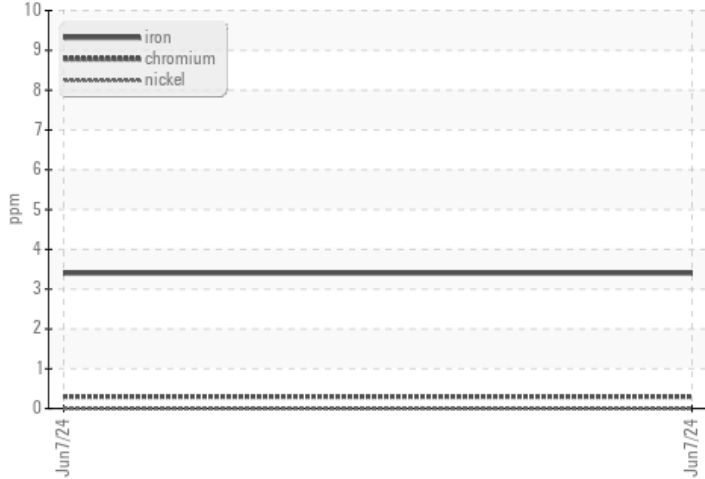


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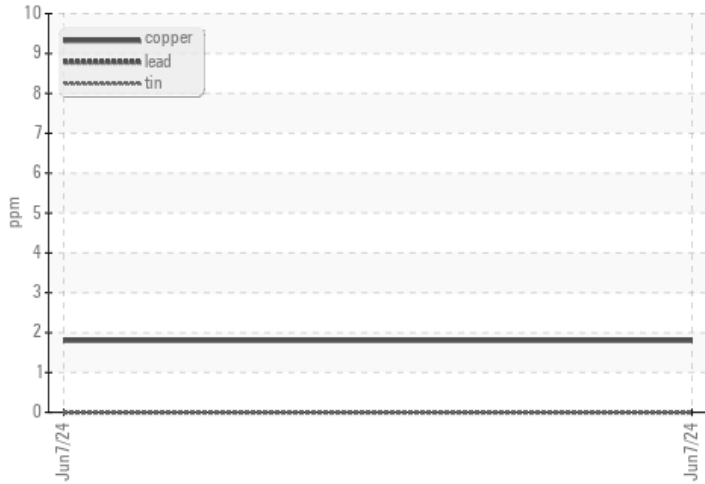


GRAPHS

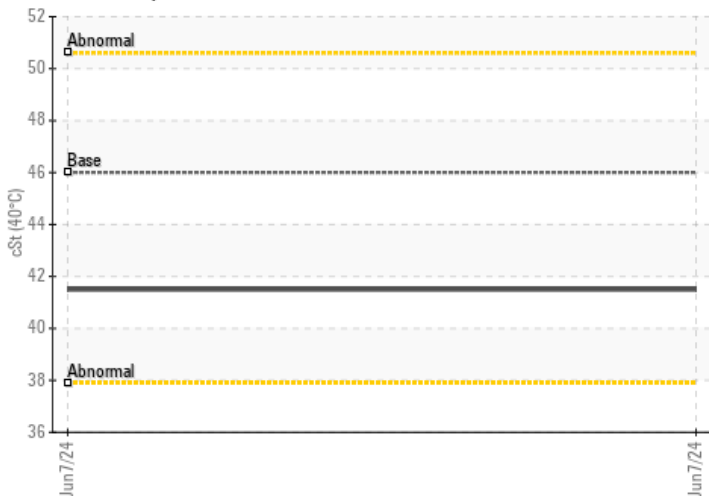
Ferrous Alloys



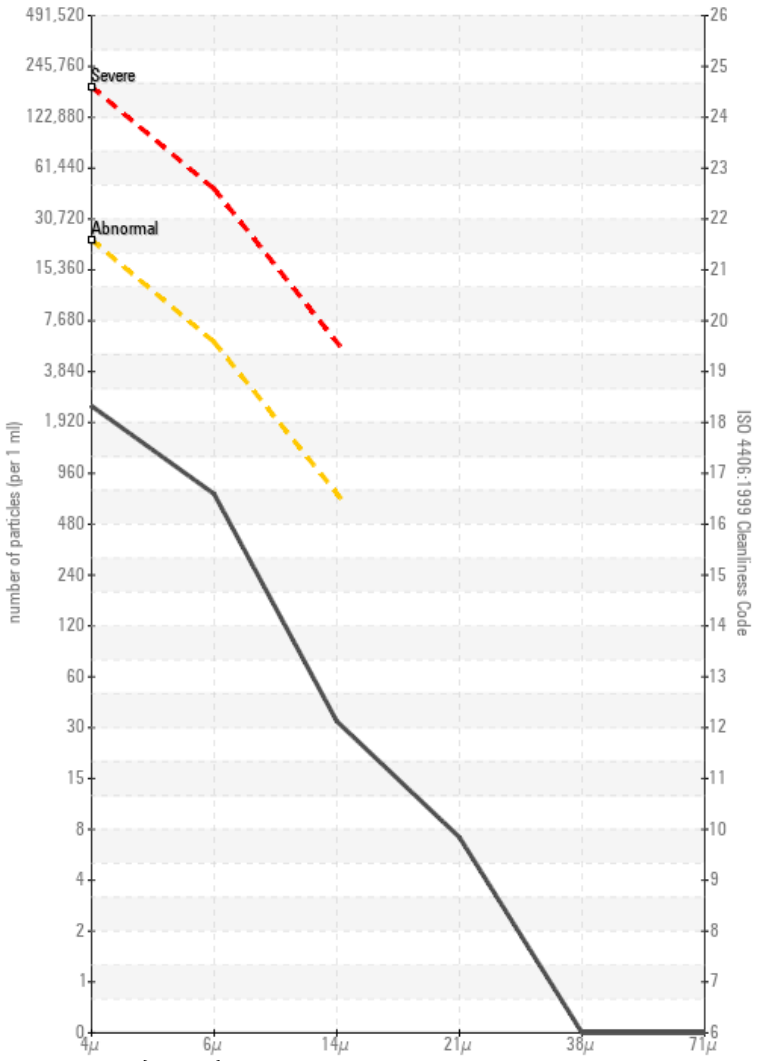
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

