



CONSTRUCTION EQUIPMENT

VOLVO A45G 353267 - HYDRAULIC SYSTEM



Sample No: VCP422049
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP422049	VCP423305	---	---
Sample Date	24 Nov 2023	10 Jul 2023	---	---
Machine Hours	2400	1257	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	ATTENTION	---	---

LEE MAR BUILDING & CONSTRUCTION
 15685 PINE RIDGE ROAD
 FORT MYERS, FL
 US 33908-2626
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 F: (239)481-9354

OIL CONDITION

Visc @ 40°C	cSt	█ 44.0	█ 43.5	---	---
Acid Number (AN)	mg KOH/g	█ 0.35	█ 0.41	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		█ 5948	█ 9721	---	---
Particles >6µm		█ 442	█ 3218	---	---
Particles >14µm		█ 14	▲ 174	---	---
ISO 4406:1999 (c)		20/16/11	20/19/15	---	---
Silicon	ppm	█ 16	█ 8	---	---
Sodium	ppm	█ 0	█ <1	---	---
Potassium	ppm	█ 2	█ <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	█ 12	█ 6	---	---
Copper	ppm	█ 4	█ 2	---	---
Lead	ppm	█ 3	█ <1	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 6	█ 3	---	---
Chromium	ppm	█ 1	█ <1	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 73	█ 79	---	---
Magnesium	ppm	█ 2	█ 0	---	---
Zinc	ppm	█ 482	█ 465	---	---
Phosphorus	ppm	█ 369	█ 344	---	---
Barium	ppm	█ <1	█ 0	---	---
Boron	ppm	█ 0	█ 0	---	---

Depot: LEEFOR
Unique No: 10764110
Signed: Wes Davis
Report Date: 29 Nov 2023

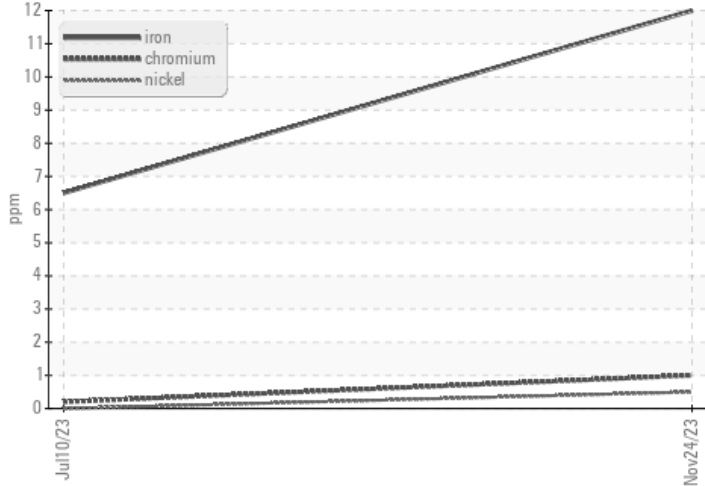


CONSTRUCTION EQUIPMENT

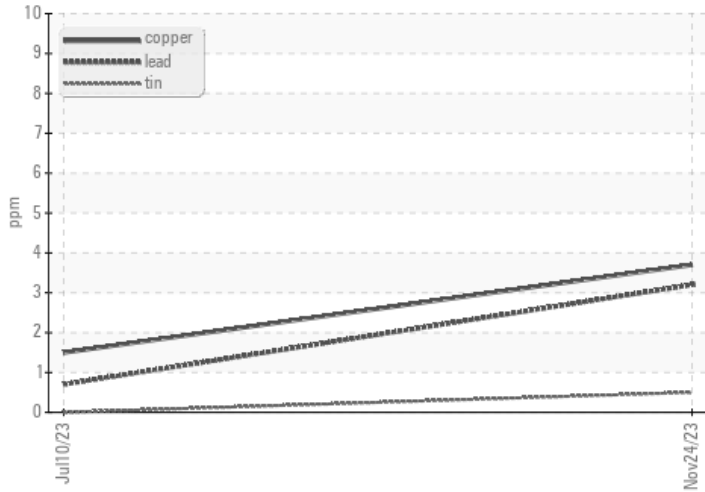


GRAPHS

Ferrous Alloys



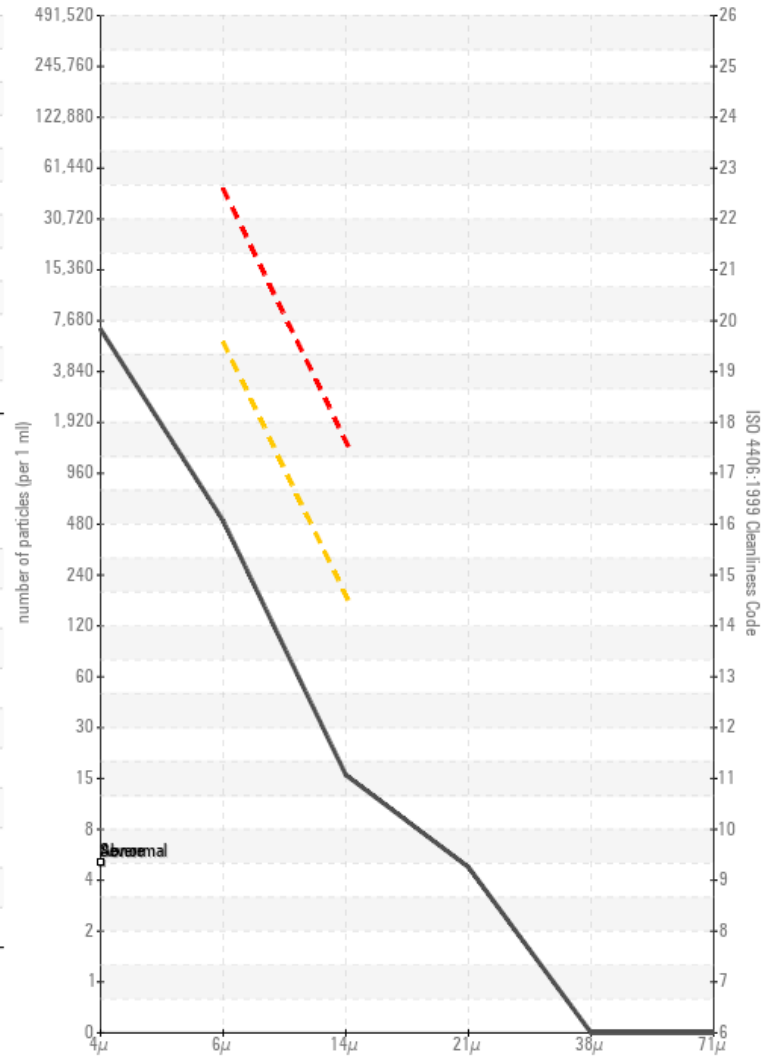
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

