



CONSTRUCTION EQUIPMENT

672669 VOLVO L90H 626530 - HYDRAULIC SYSTEM



Sample No: VCP06102904
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 672669



SAMPLE INFORMATION

Sample Number	VCP06102904	VCP424464	---	---
Sample Date	05 Feb 2024	12 Jun 2023	---	---
Machine Hours	2534	1297	---	---
Oil Hours	2534	1297	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

OLDCASTLE LAWN AND GARDEN

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 DAVENPORT, FL
 US 33837

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 F: (863)421-1776



OIL CONDITION

Visc @ 40°C	cSt	█ 49.9	█ 47.0	---	---
Acid Number (AN)	mg KOH/g	█ 0.83	█ 0.65	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		▲ 27012	▲ 78611	---	---
Particles >6µm		█ 1002	▲ 6798	---	---
Particles >14µm		█ 36	█ 92	---	---
ISO 4406:1999 (c)		22/17/12	23/20/14	---	---
Silicon	ppm	█ 13	█ 10	---	---
Sodium	ppm	█ 2	█ 2	---	---
Potassium	ppm	█ <1	█ 0	---	---

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 6	█ 9	---	---
Copper	ppm	█ <1	█ <1	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 1	█ 0	---	---
Chromium	ppm	█ <1	█ 0	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ <1	█ 0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 2964	█ 2272	---	---
Magnesium	ppm	█ 27	█ 12	---	---
Zinc	ppm	█ 1316	█ 1053	---	---
Phosphorus	ppm	█ 1046	█ 826	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 91	█ 77	---	---

Depot: GREDAVFL
Unique No: 10901134
Signed: Don Baldrige
Report Date: 01 Mar 2024

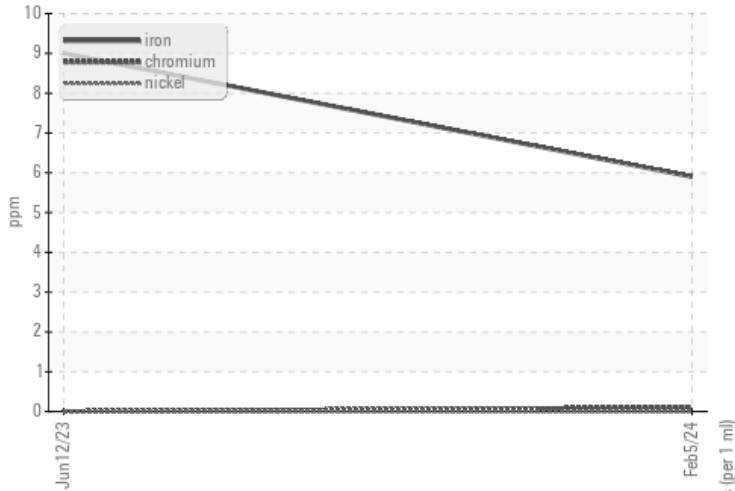


CONSTRUCTION EQUIPMENT

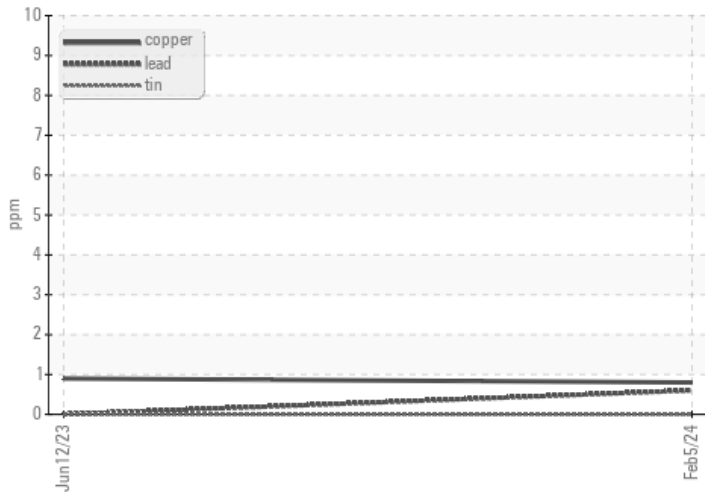


GRAPHS

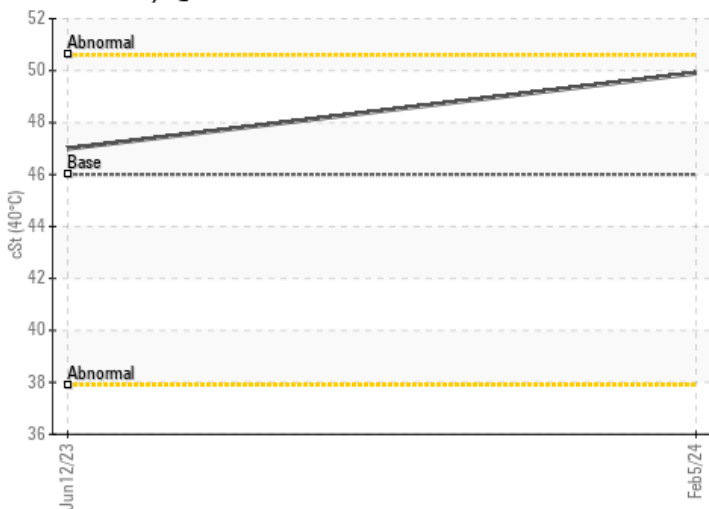
Ferrous Alloys



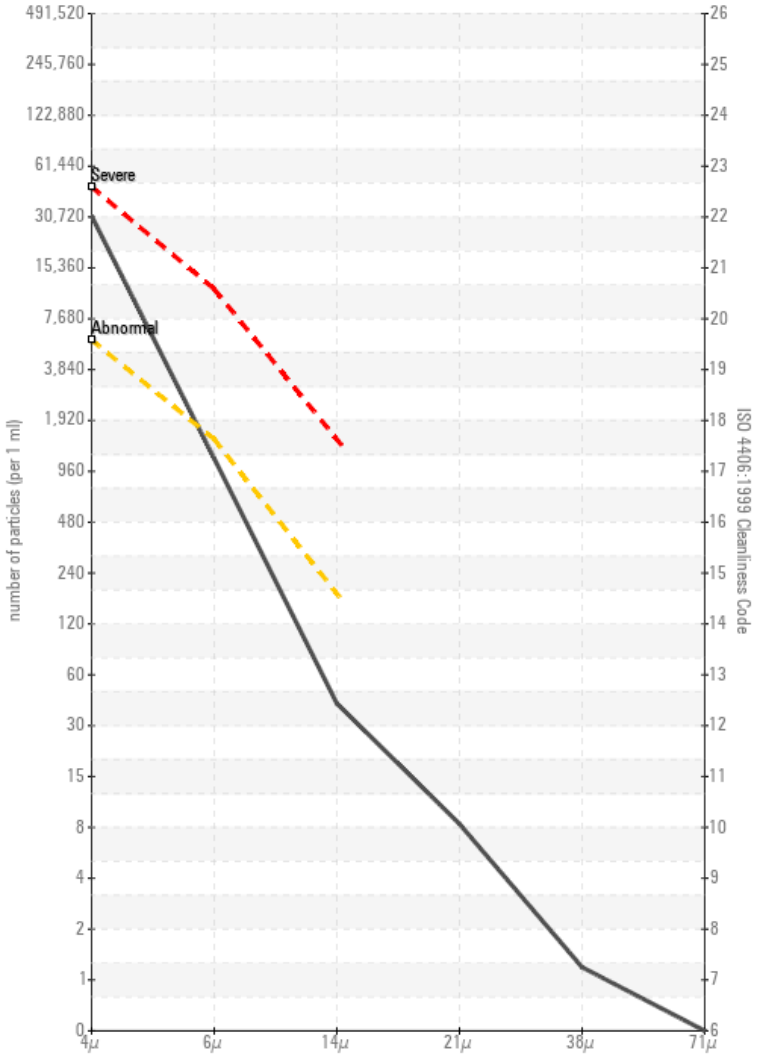
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

