



CONSTRUCTION EQUIPMENT

633168 BULK EXP VOLVO L180H 5720 - HYDRAULIC SYSTEM



Sample No: VCP434602
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 633168 BULK EXP



SAMPLE INFORMATION

Sample Number	VCP434602	VCP434897	---	---
Sample Date	07 Nov 2023	13 Sep 2023	---	---
Machine Hours	1692	1126	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	ATTENTION	---	---

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OIL CONDITION

Visc @ 40°C	cSt	41.4	41.9	---	---
Acid Number (AN)	mg KOH/g	0.44	0.35	---	---



CONTAMINATION

Particles >4µm		7285	9935	---	---
Particles >6µm		1539	2242	---	---
Particles >14µm		98	143	---	---
ISO 4406:1999 (c)		20/18/14	20/18/14	---	---
Silicon	ppm	1	1	---	---
Sodium	ppm	<1	2	---	---
Potassium	ppm	<1	0	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light 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 suitable for further service.



WEAR METALS

Iron	ppm	<1	2	---	---
Copper	ppm	2	2	---	---
Lead	ppm	1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	0	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	29	51	---	---
Magnesium	ppm	0	2	---	---
Zinc	ppm	422	414	---	---
Phosphorus	ppm	302	312	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0096
Unique No: 10739258
Signed: Wes Davis
Report Date: 14 Nov 2023

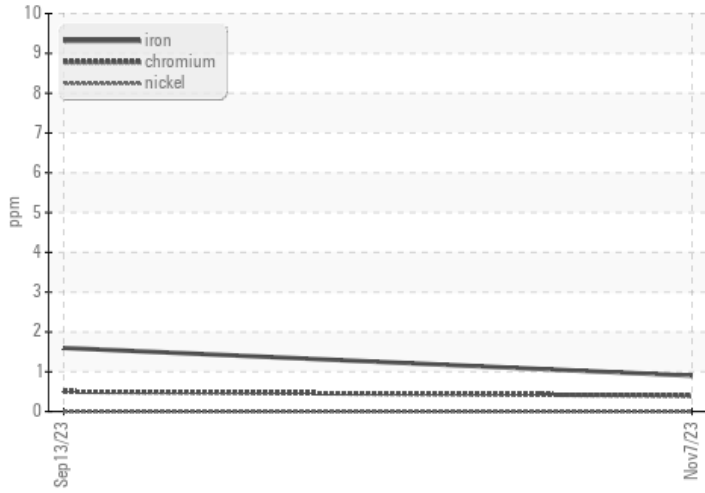


CONSTRUCTION EQUIPMENT

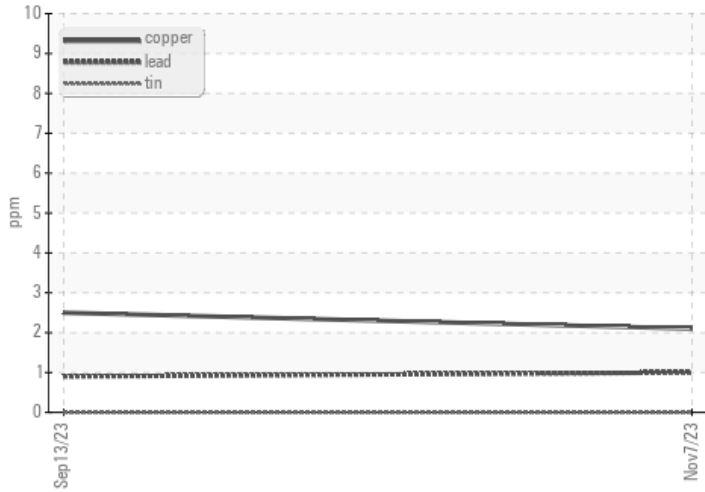


GRAPHS

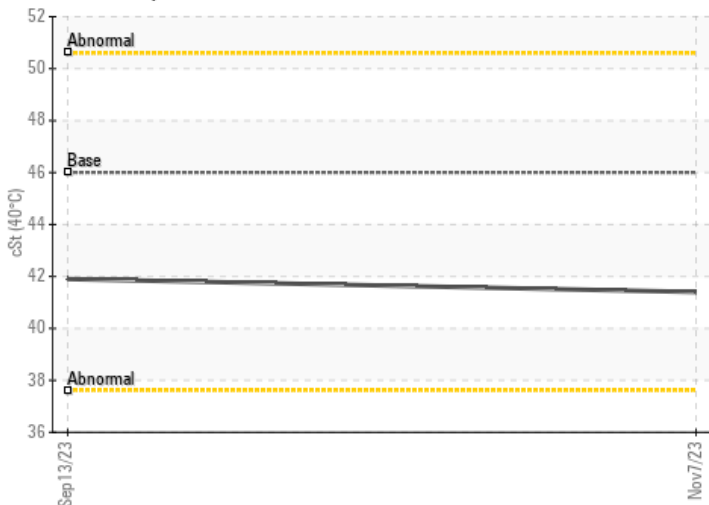
Ferrous Alloys



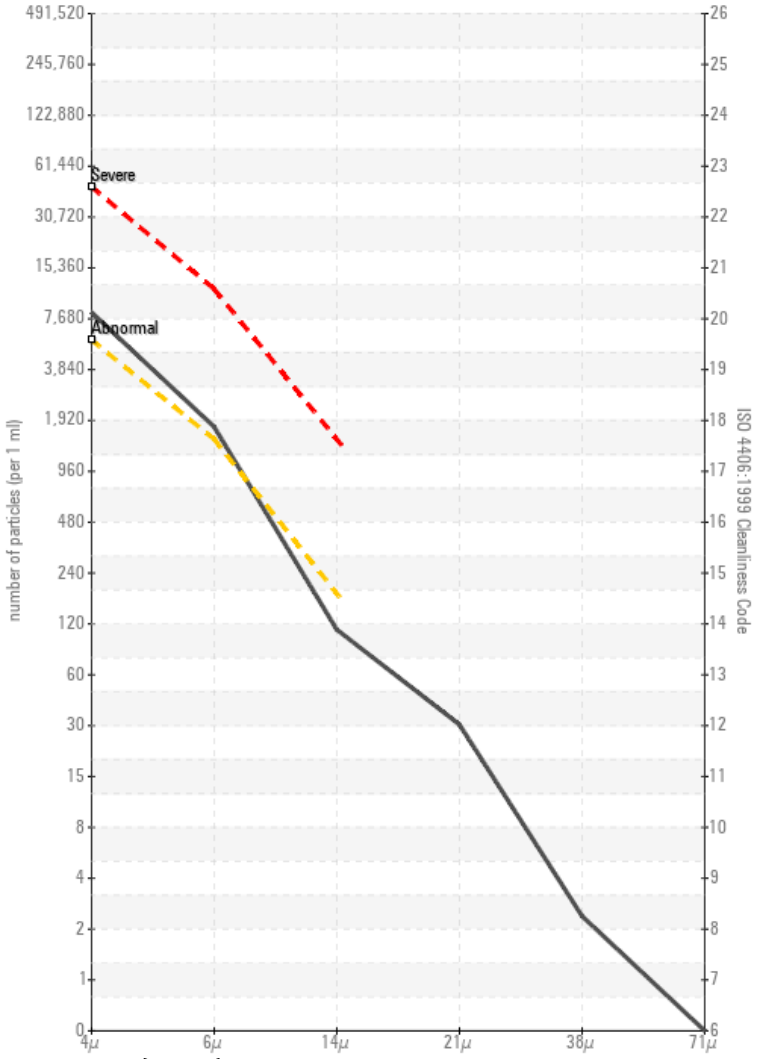
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

