



CONSTRUCTION EQUIPMENT

SPM605685 VOLVO L120H 632806 - HYDRAULIC SYSTEM



Sample No: VCP420670
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM605685



SAMPLE INFORMATION

Sample Number	VCP420670	VCP416581	VCP401582	VCP364787
Sample Date	12 Sep 2023	18 May 2023	25 Jan 2023	13 Sep 2022
Machine Hours	4530	3989	3544	2556
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	ATTENTION	ATTENTION	ATTENTION	ATTENTION

OZINGA BROS INC
 19001 OLD LAGRANDE RD
 MOKENA, IL
 US 60448
 Contact: ED JONGSMA



OIL CONDITION

Visc @ 40°C	cSt	51.8	51.7	52.0	51.1
Acid Number (AN)	mg KOH/g	0.33	0.33	0.41	0.33

T: (708)326-4200
 F:



CONTAMINATION

Water	%	---	---	0.070	---
Particles >4µm		▲ 6520	▲ 5735	▲ 6555	▲ 7209
Particles >6µm		■ 486	■ 736	■ 522	■ 562
Particles >14µm		■ 59	■ 12	■ 14	■ 47
ISO 4406:1999 (c)		20/16/13	20/17/11	20/16/11	20/16/13
Silicon	ppm	■ 4	■ 3	■ 3	■ 2
Sodium	ppm	■ 1	■ 0	■ <1	■ 1
Potassium	ppm	■ 1	■ 2	■ 0	■ 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	■ 7	■ 6	■ 6	■ 4
Copper	ppm	■ 2	■ 2	■ 2	■ 1
Lead	ppm	■ <1	■ 1	■ <1	■ <1
Tin	ppm	■ 0	■ <1	■ 0	■ 0
Aluminum	ppm	■ <1	■ 0	■ <1	■ <1
Chromium	ppm	■ 1	■ <1	■ 1	■ <1
Molybdenum	ppm	■ 8	■ 9	■ 8	■ 8
Nickel	ppm	■ 0	■ 0	■ 0	■ 0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	■ 0	■ 0	■ 0	■ 0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	■ 219	■ 216	■ 210	■ 218
Magnesium	ppm	■ 29	■ 26	■ 24	■ 28
Zinc	ppm	■ 471	■ 459	■ 423	■ 463
Phosphorus	ppm	■ 386	■ 347	■ 349	■ 374
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 5	■ 5	■ 5	■ 6

Depot: OZIMOKVC
Unique No: 10658226
Signed: Wes Davis
Report Date: 22 Sep 2023

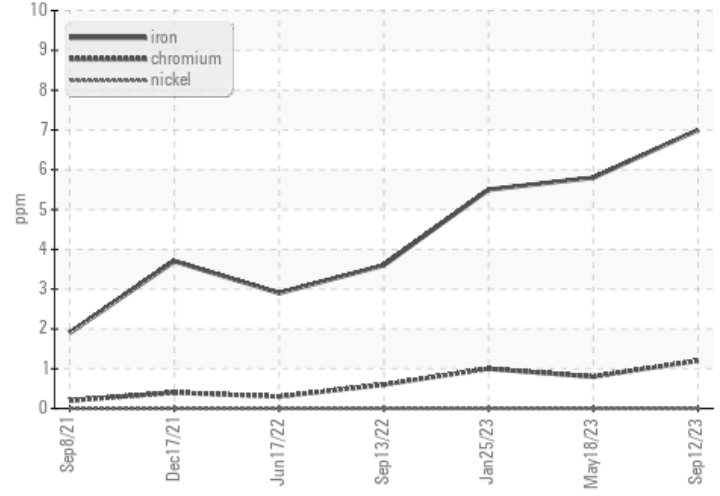


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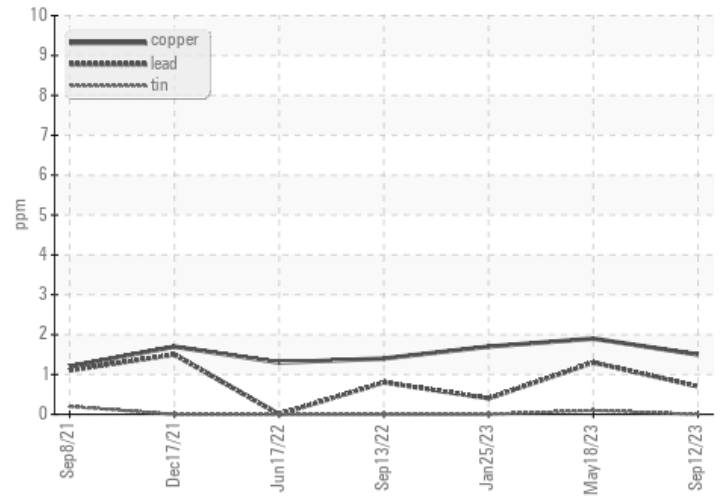


GRAPHS

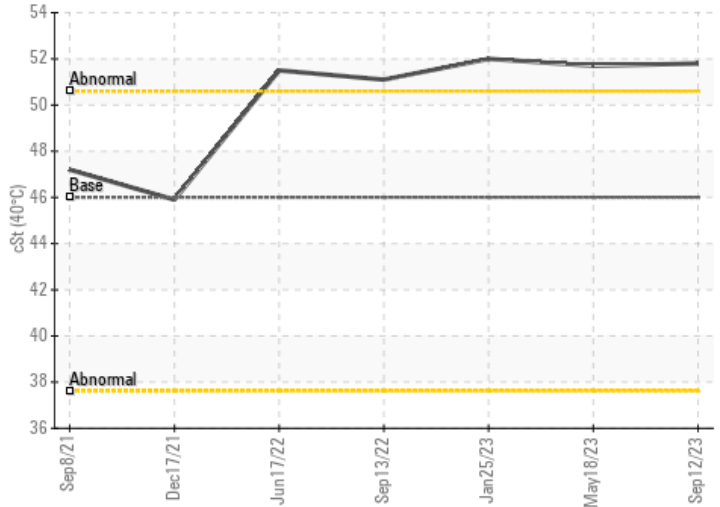
Ferrous Alloys



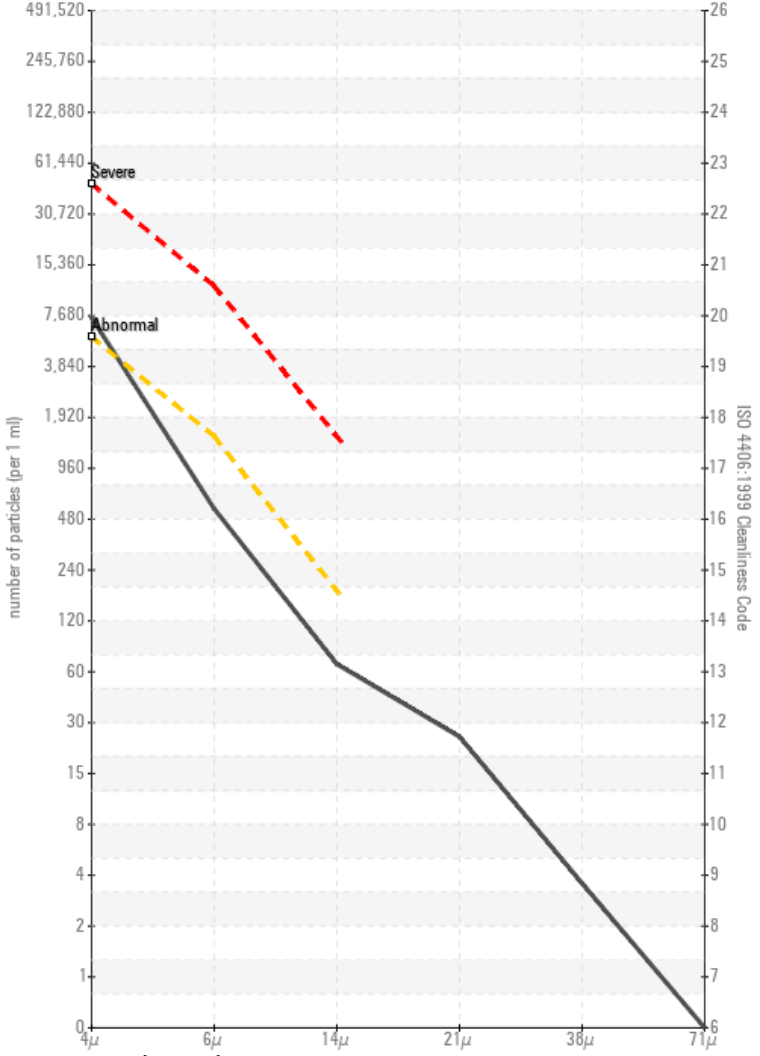
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

