



CONSTRUCTION EQUIPMENT

SPM702823 VOLVO L120H 633335 - HYDRAULIC SYSTEM



Sample No: VCP420703
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM702823



SAMPLE INFORMATION

Sample Number	VCP420703	VCP429116	VCP425590	VCP420188
Sample Date	30 Apr 2024	15 Nov 2023	28 Sep 2023	27 Jul 2023
Machine Hours	2608	1509	999	613
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	ATTENTION	ABNORMAL	ABNORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	43.2	42.8	43.0	43.5
Acid Number (AN)	mg KOH/g	0.28	0.32	0.43	0.34

T: (708)326-4200
 F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		3781	7952	10985	21213
Particles >6µm		514	901	2234	5752
Particles >14µm		31	35	103	396
ISO 4406:1999 (c)		19/16/12	20/17/12	21/18/14	22/20/16
Silicon	ppm	1	2	2	2
Sodium	ppm	1	<1	0	<1
Potassium	ppm	0	0	0	0

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	1	5	2	3
Copper	ppm	0	2	1	1
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	0	0	0	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	0	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	62	56	61	62
Magnesium	ppm	5	1	1	1
Zinc	ppm	433	399	425	434
Phosphorus	ppm	345	310	332	348
Barium	ppm	<1	0	0	0
Boron	ppm	0	0	0	0

Depot: OZIMOKVC
Unique No: 11029977
Signed: Wes Davis
Report Date: 15 May 2024

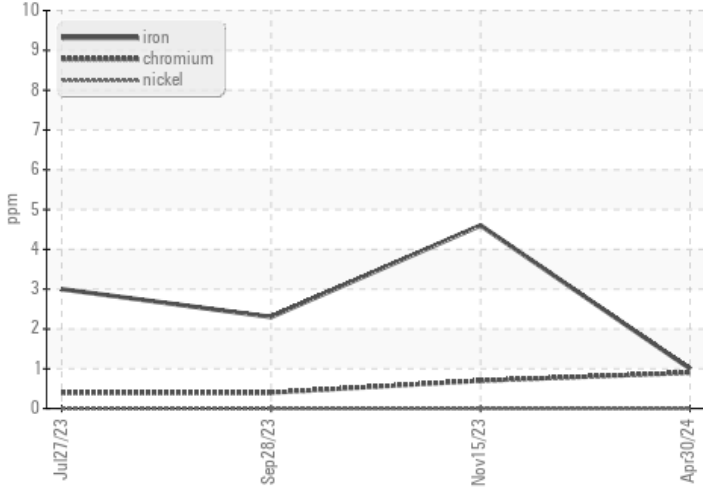


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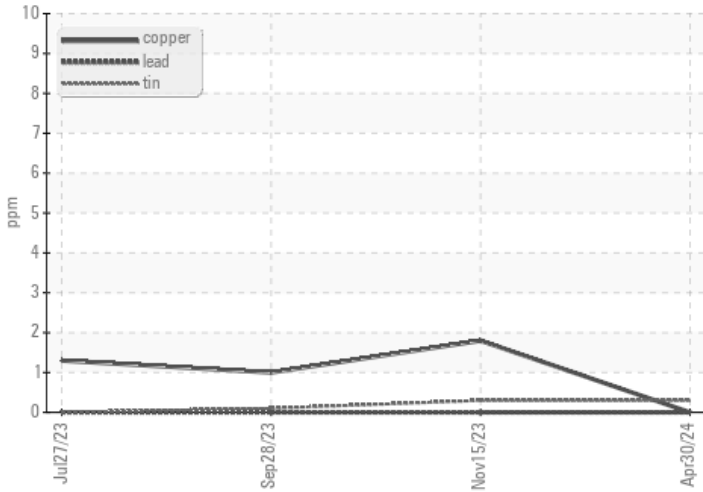


VOLVO GRAPHS

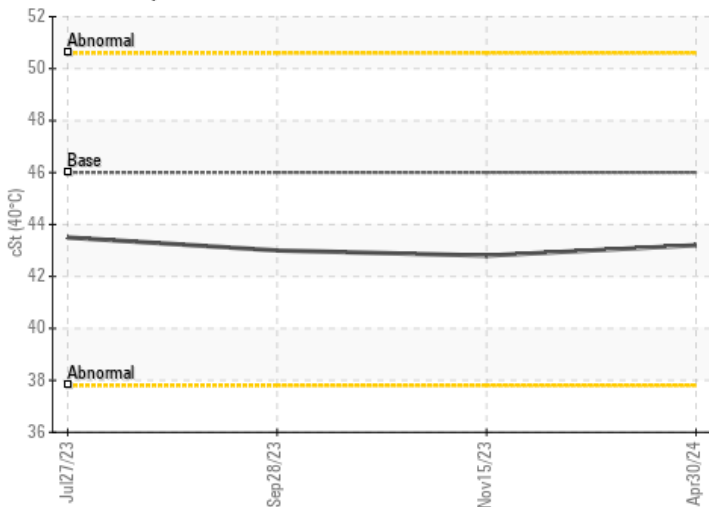
Ferrous Alloys



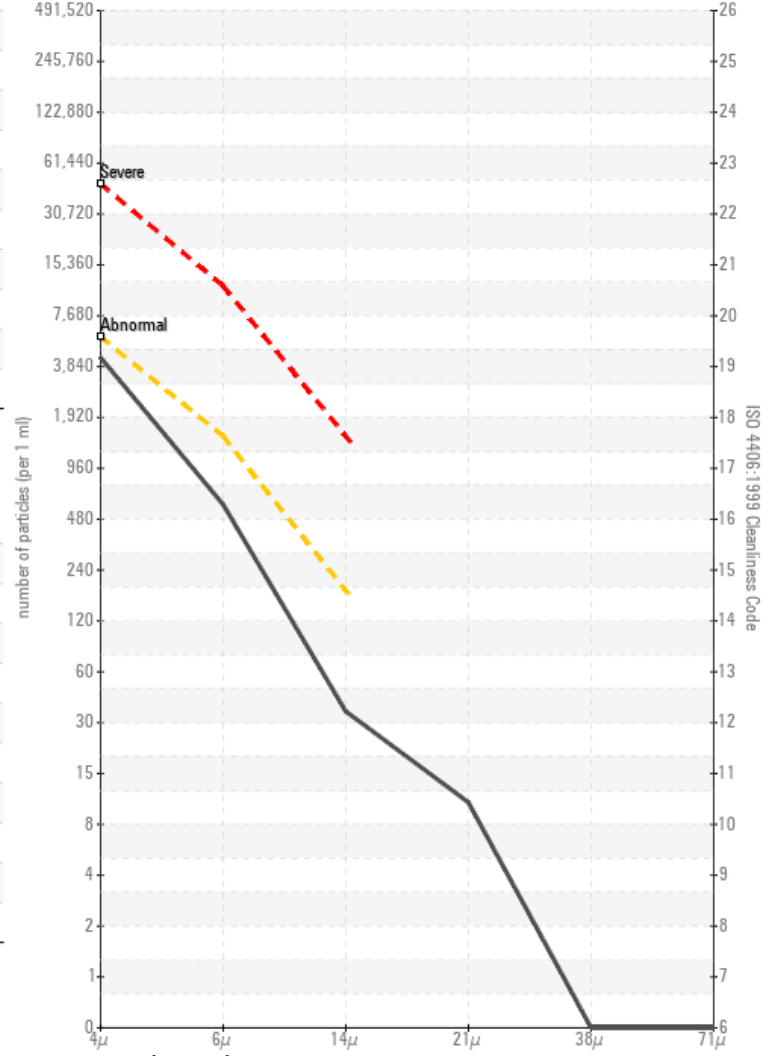
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

