



CONSTRUCTION EQUIPMENT

SPM729125 VOLVO L90H 625106 - HYDRAULIC SYSTEM



Sample No: VCP444415
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM729125



SAMPLE INFORMATION

Sample Number	VCP444415	VCP414540	VCP354498	VCP410967
Sample Date	10 Jun 2024	12 Oct 2023	22 Aug 2023	18 Apr 2023
Machine Hours	6517	5121	4106	4020
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	SEVERE	ATTENTION	NORMAL

UNITED SCRAP
 1545 S CICERO AVE
 CICERO, IL
 US 60804
 Contact: RON LUCHTENBURG
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 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	41.8	42.4	42.6	42.6
Acid Number (AN)	mg KOH/g	0.30	0.32	0.37	0.32



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		1470	98150	8064	2840
Particles >6µm		353	35107	1488	421
Particles >14µm		9	2118	53	24
ISO 4406:1999 (c)		18/16/10	24/22/18	20/18/13	19/16/12
Silicon	ppm	2	1	2	1
Sodium	ppm	0	0	0	<1
Potassium	ppm	2	0	<1	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	4	4	9	4
Copper	ppm	2	1	2	<1
Lead	ppm	1	0	2	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	3	0	0	<1
Chromium	ppm	1	2	2	<1
Molybdenum	ppm	<1	0	<1	0
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	40	44	57	40
Magnesium	ppm	2	6	3	0
Zinc	ppm	478	561	672	517
Phosphorus	ppm	395	427	526	423
Barium	ppm	1	0	2	0
Boron	ppm	0	0	0	0

Depot: UNICICIL
Unique No: 11089652
Signed: Wes Davis
Report Date: 24 Jun 2024

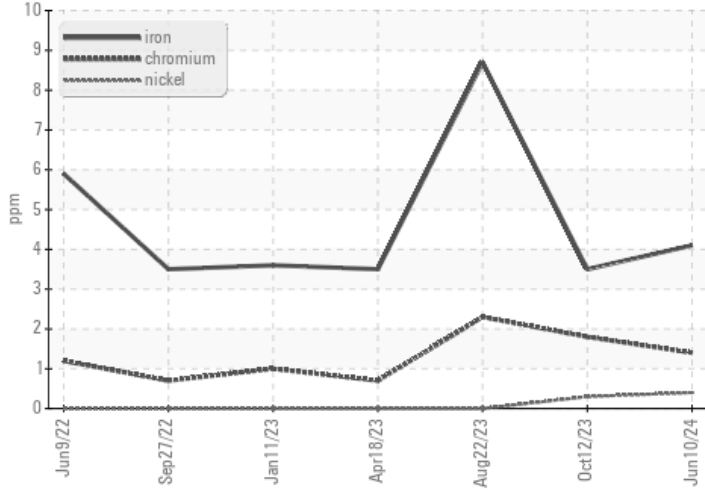


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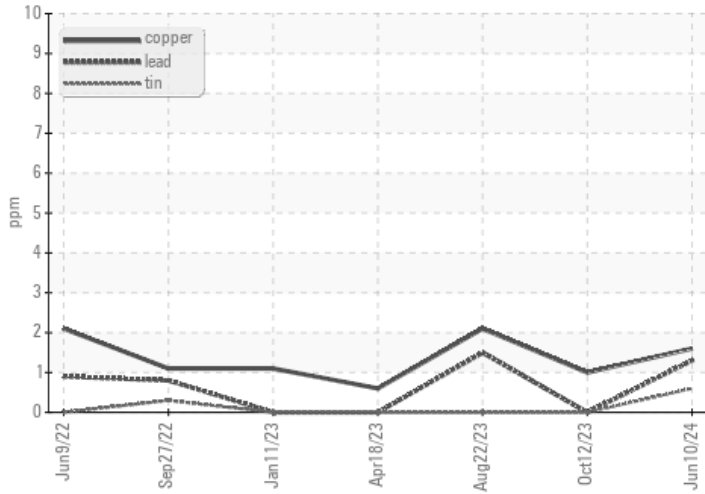


VOLVO GRAPHS

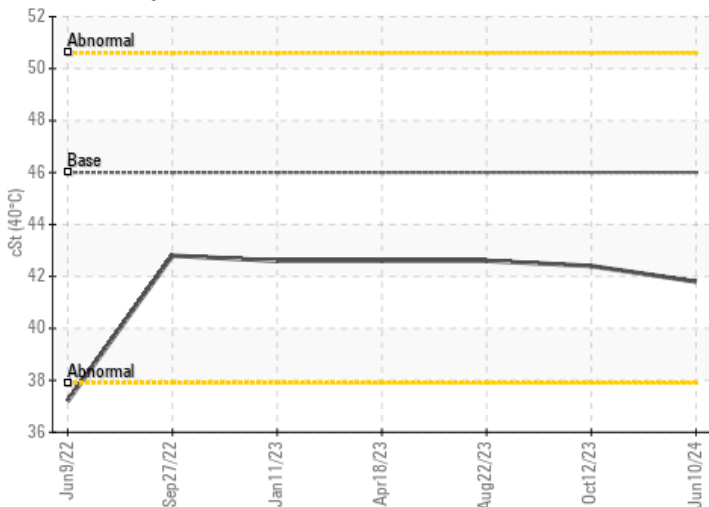
Ferrous Alloys



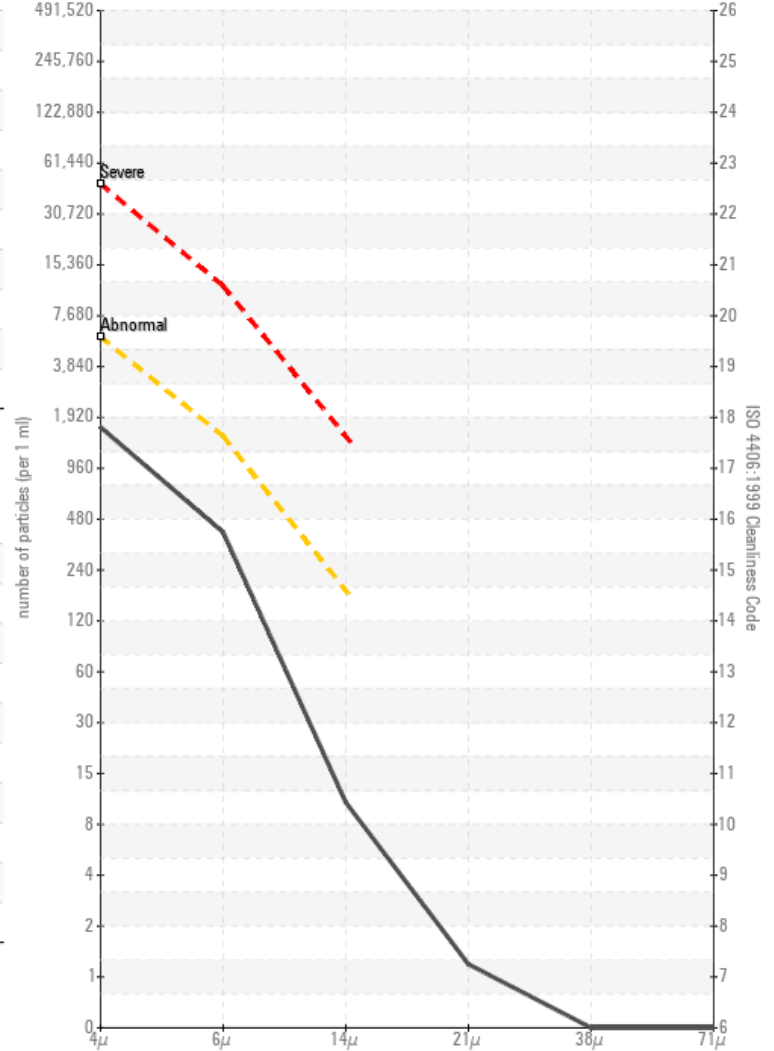
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

