



CONSTRUCTION EQUIPMENT

621739 VOLVO EC750 310137 - HYDRAULIC SYSTEM



Sample No: VCP431438
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 621739



SAMPLE INFORMATION

Sample Number	VCP431438	VCP365880	VCP349228	VCP328501
Sample Date	30 Nov 2023	12 Sep 2022	01 Mar 2022	23 Oct 2021
Machine Hours	6059	5083	4065	3614
Oil Hours	2000	1000	0	3614
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

BLAZE CONSTRUCTION

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 US 48213
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 T: (248)632-2317
 F:



OIL CONDITION

Visc @ 40°C	cSt	40.7	40.3	40.2	40.3
Acid Number (AN)	mg KOH/g	0.49	0.42	0.65	0.819



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		26102	218290	82502	---
Particles >6µm		4918	75082	1888	---
Particles >14µm		336	505	12	---
ISO 4406:1999 (c)		22/19/16	25/23/16	24/18/11	---
Silicon	ppm	3	5	6	7
Sodium	ppm	3	2	0	<1
Potassium	ppm	2	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	4	12	6	7
Copper	ppm	8	15	11	16
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	1	<1
Aluminum	ppm	1	2	2	2
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	<1	1	2	3
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	475	918	1401	1297
Magnesium	ppm	10	18	24	27
Zinc	ppm	375	630	730	795
Phosphorus	ppm	265	529	626	638
Barium	ppm	3	0	0	0
Boron	ppm	0	3	4	5

Depot: BLADET
Unique No: 10779119
Signed: Wes Davis
Report Date: 11 Dec 2023

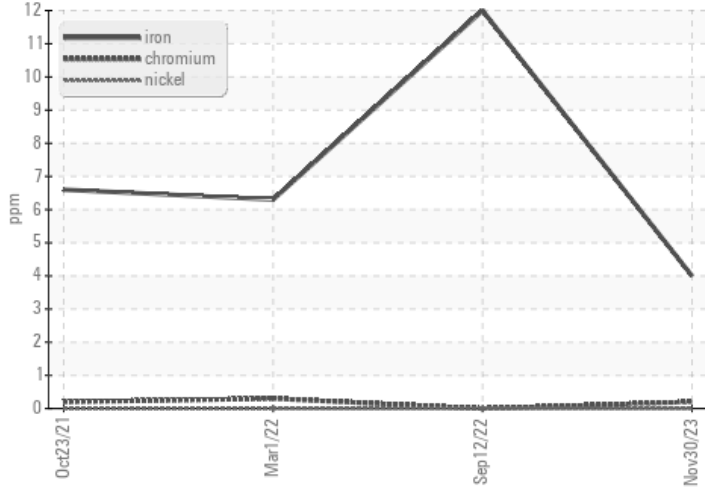


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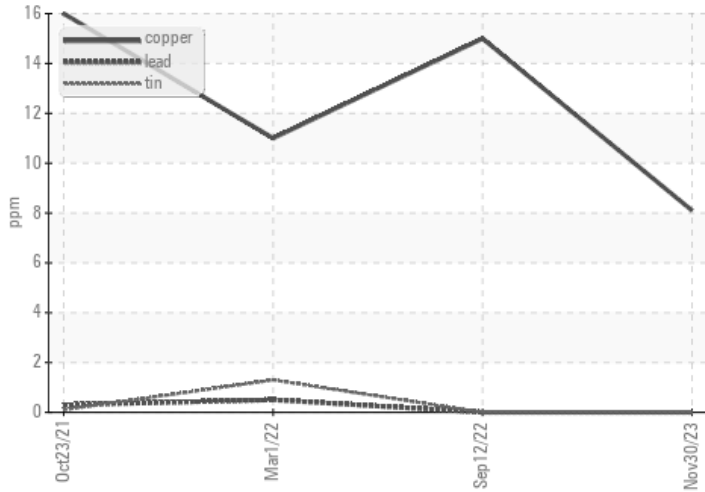


VOLVO GRAPHS

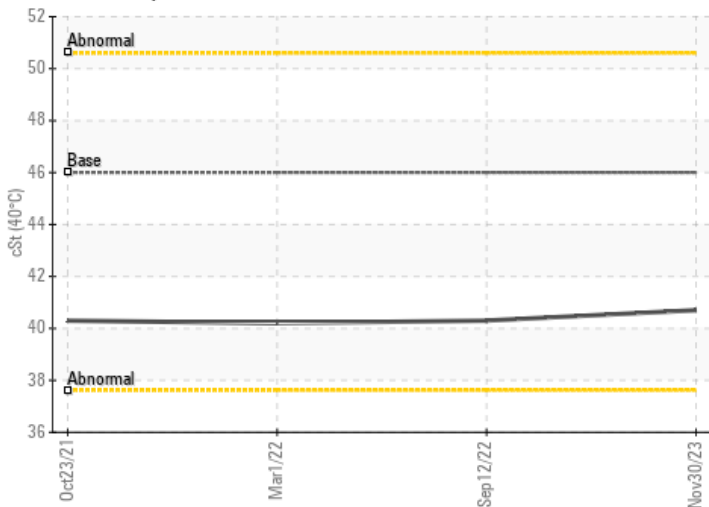
Ferrous Alloys



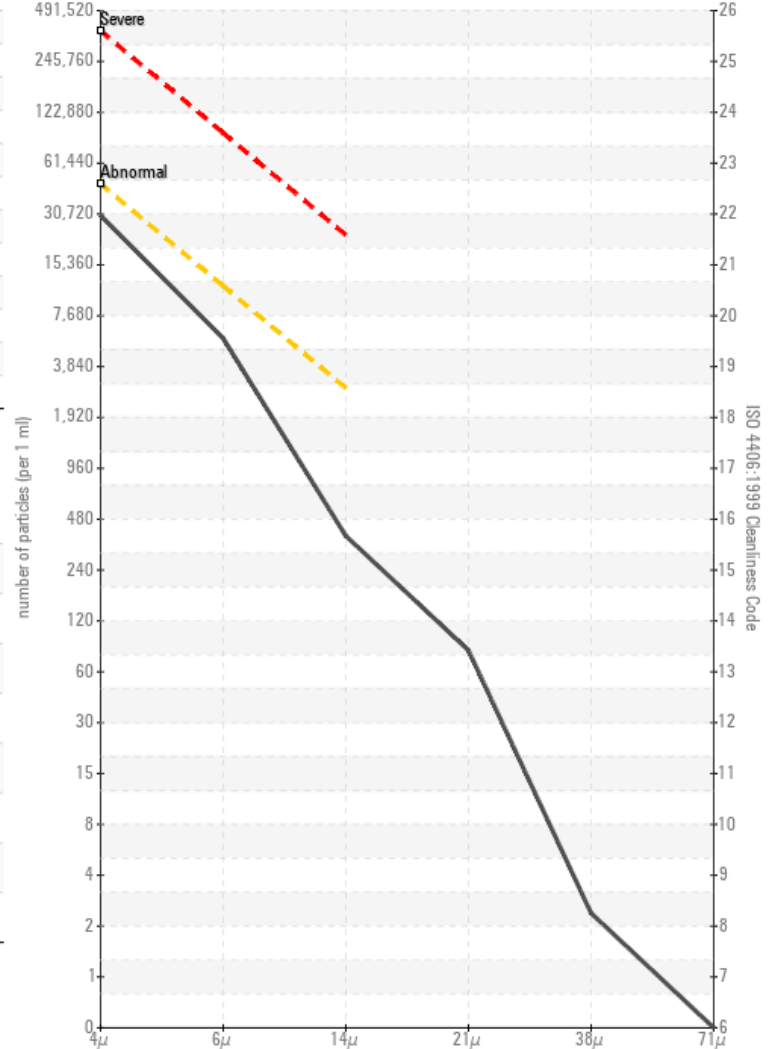
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

