



CONSTRUCTION EQUIPMENT

SPM658596 WASTE MGMT VOLVO EC250EL 310691 - HYDRAULIC SYSTEM



Sample No: VCP417642
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM658596 WASTE MGMT



SAMPLE INFORMATION

Sample Number	VCP417642	VCP398391	VCP415428	VCP422603
Sample Date	03 Jan 2024	18 Oct 2023	18 Aug 2023	16 Jun 2023
Machine Hours	19794	13126	14626	15556
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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 F:



OIL CONDITION

Visc @ 40°C	cSt	41.4	41.0	41.3	41.0
Acid Number (AN)	mg KOH/g	0.39	0.34	0.76	0.36



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		7497	11350	5789	3566
Particles >6µm		1418	1857	1130	908
Particles >14µm		83	73	71	71
ISO 4406:1999 (c)		20/18/14	21/18/13	20/17/13	19/17/13
Silicon	ppm	1	<1	<1	1
Sodium	ppm	1	1	0	<1
Potassium	ppm	0	2	<1	<1

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	2	0	1	1
Copper	ppm	10	6	4	4
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	0	<1	0	0
Chromium	ppm	2	<1	<1	1
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	50	55	64	64
Magnesium	ppm	11	7	8	7
Zinc	ppm	420	453	455	466
Phosphorus	ppm	336	356	349	346
Barium	ppm	0	0	2	0
Boron	ppm	0	0	0	0

Depot: VOLVO8885
Unique No: 10882930
Signed: Wes Davis
Report Date: 16 Feb 2024

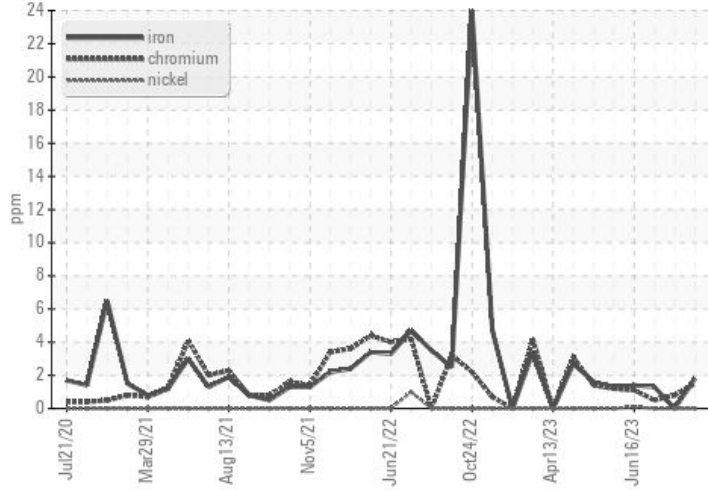


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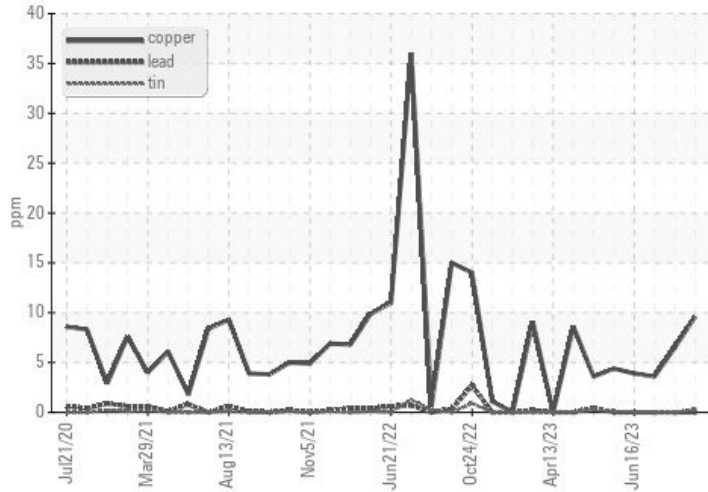


VOLVO GRAPHS

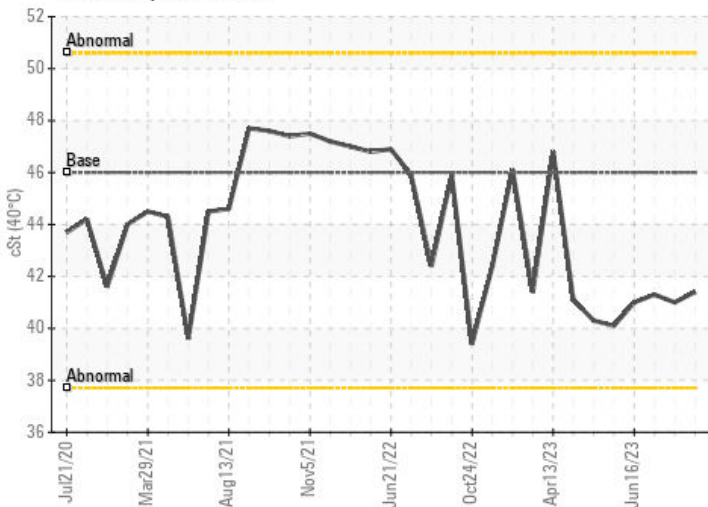
Ferrous Alloys



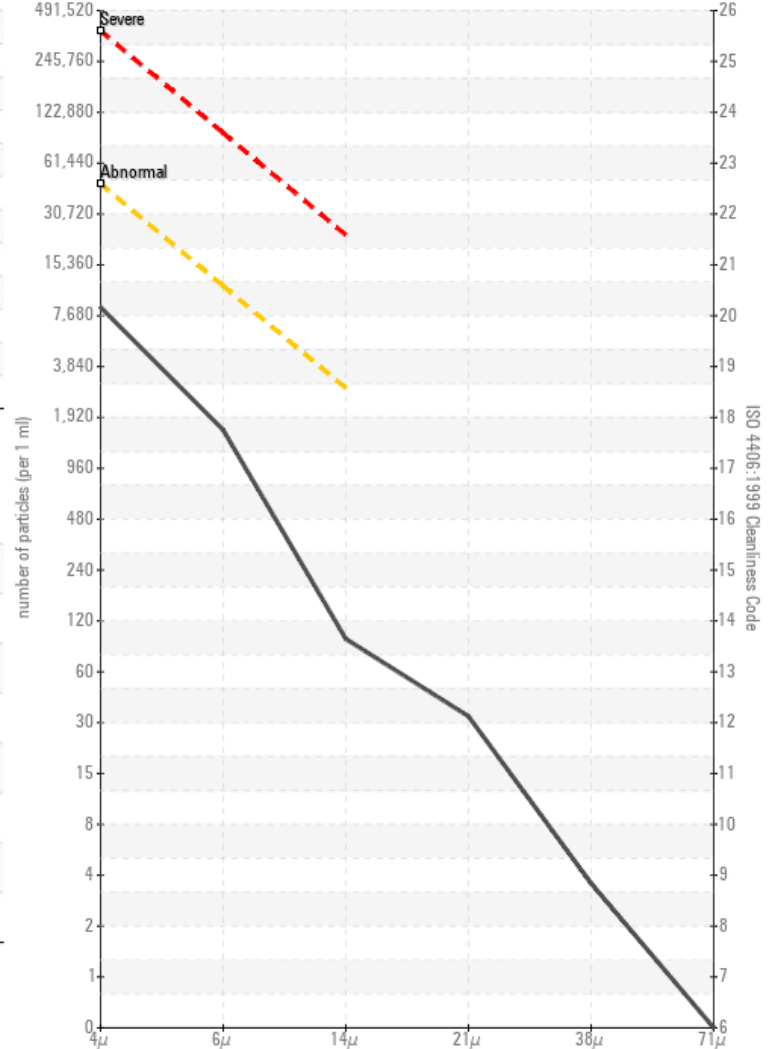
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

