



CONSTRUCTION EQUIPMENT

SPM621705 BL DUKE SENNOBOGEN 835M 835.0.2625 - HYDRAULIC SYSTEM



Sample No: VCP425315
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM621705 BL DUKE



SAMPLE INFORMATION

Sample Number	VCP425315	VCP415215	VCP397577	VCP366808
Sample Date	18 Oct 2023	12 Sep 2023	17 Feb 2023	29 Aug 2022
Machine Hours	4991	4620	3163	1882
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	39.2	38.2	38.1	38.4
Acid Number (AN)	mg KOH/g	0.92	0.83	0.80	0.86

CONTAMINATION

Particles >4µm		▲ 9804	4610	3199	3458
Particles >6µm		▲ 2368	1145	443	583
Particles >14µm		■ 102	77	30	26
ISO 4406:1999 (c)		20/18/14	19/17/13	19/16/12	19/16/12
Silicon	ppm	■ 2	2	2	2
Sodium	ppm	■ 5	6	4	3
Potassium	ppm	■ 1	<1	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	10	8	8
Copper	ppm	■ 3	3	2	2
Lead	ppm	■ 1	1	<1	1
Tin	ppm	■ <1	0	0	<1
Aluminum	ppm	■ <1	<1	<1	1
Chromium	ppm	■ 2	2	<1	<1
Molybdenum	ppm	■ 0	<1	<1	<1
Nickel	ppm	■ <1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	■ <1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1192	1339	1116	1065
Magnesium	ppm	■ 18	22	11	14
Zinc	ppm	■ 683	719	528	620
Phosphorus	ppm	■ 546	571	467	527
Barium	ppm	■ 0	0	0	0
Boron	ppm	■ 6	9	8	6

Depot: VOLVO8885
Unique No: 10737954
Signed: Wes Davis
Report Date: 13 Nov 2023

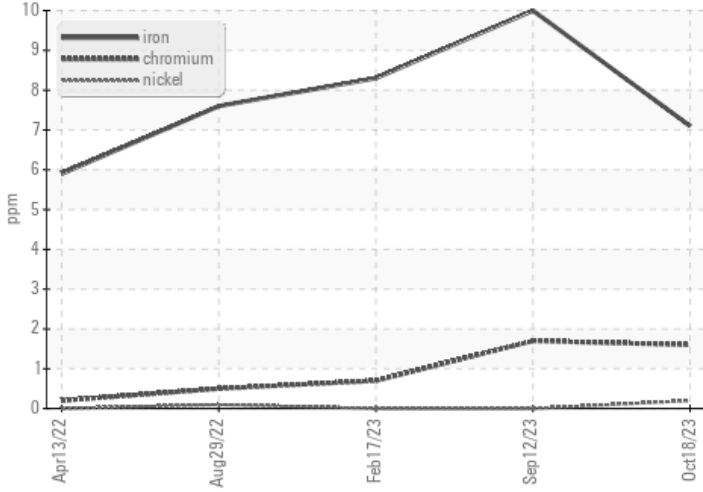


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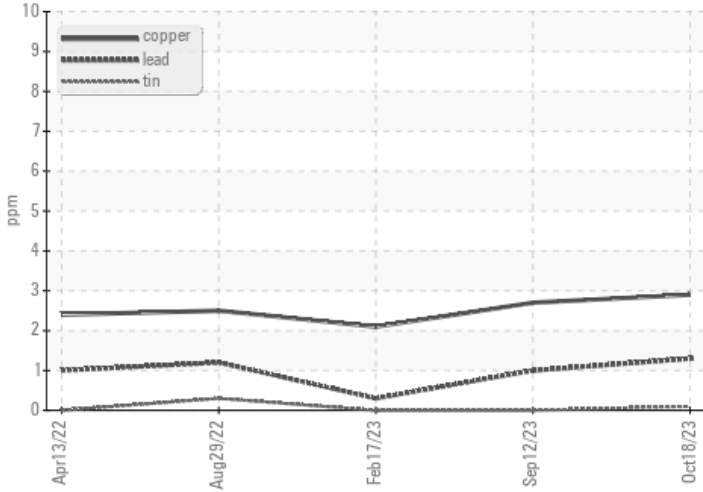


VOLVO GRAPHS

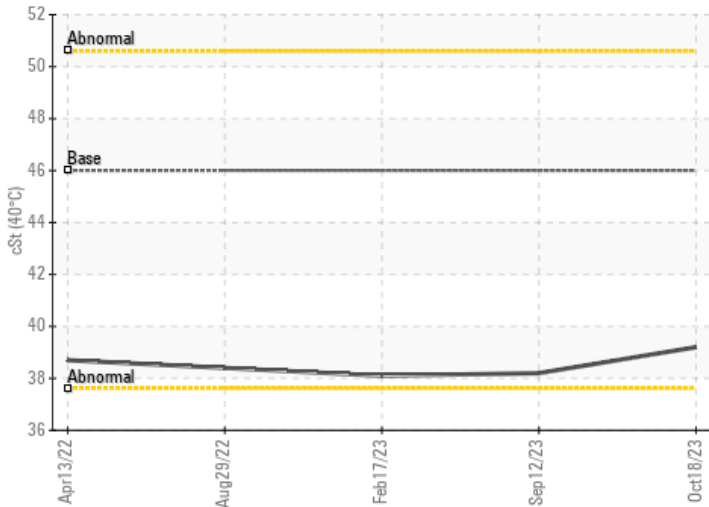
Ferrous Alloys



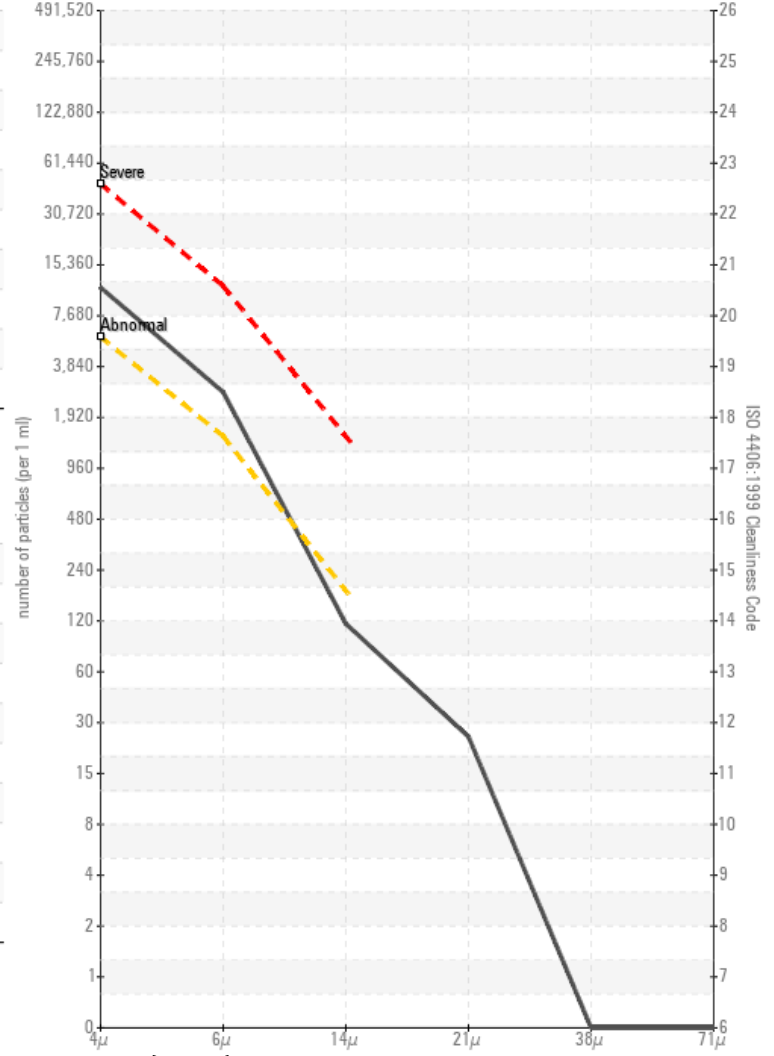
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

