



CONSTRUCTION EQUIPMENT

SPM578836 VOLVO L180G 19305 - HYDRAULIC SYSTEM



Sample No: VCP405772
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SPM578836



SAMPLE INFORMATION

Sample Number	VCP405772	VCP405655	VCP391338	VCP288554
Sample Date	08 Aug 2023	03 May 2023	18 Mar 2023	28 Sep 2020
Machine Hours	21063	20781	20570	19955
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	N/A
Sample Status	ATTENTION	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.9	43.6	43.7	40.5
Acid Number (AN)	mg KOH/g	0.30	0.37	0.35	0.491



CONTAMINATION

Particles >4µm		10423	8634	11443	---
Particles >6µm		1479	1528	1704	---
Particles >14µm		86	76	71	---
ISO 4406:1999 (c)		21/18/14	20/18/13	21/18/13	---
Silicon	ppm	2	2	1	4
Sodium	ppm	1	2	0	8
Potassium	ppm	2	1	2	2

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	2	2	2	9
Copper	ppm	2	2	2	4
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	1	0	<1	<1
Chromium	ppm	<1	<1	0	5
Molybdenum	ppm	6	8	10	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	95	93	101	81
Magnesium	ppm	12	20	19	6
Zinc	ppm	438	442	449	440
Phosphorus	ppm	348	342	324	381
Barium	ppm	0	0	0	0
Boron	ppm	5	6	6	1

Depot: COVJAM
Unique No: 10602748
Signed: Wes Davis
Report Date: 14 Aug 2023

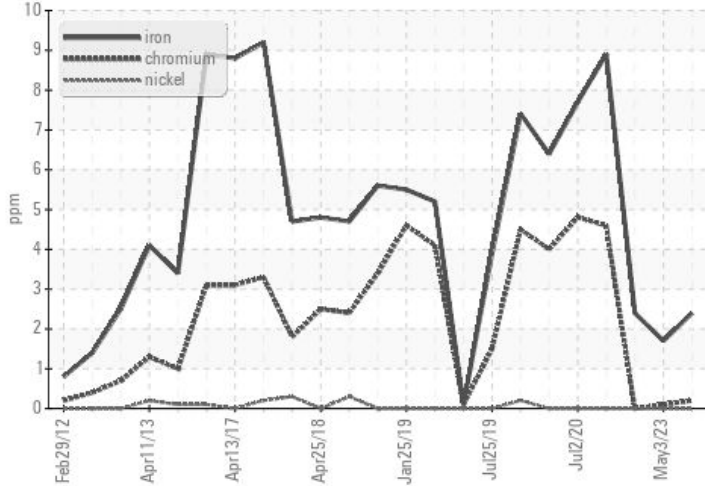


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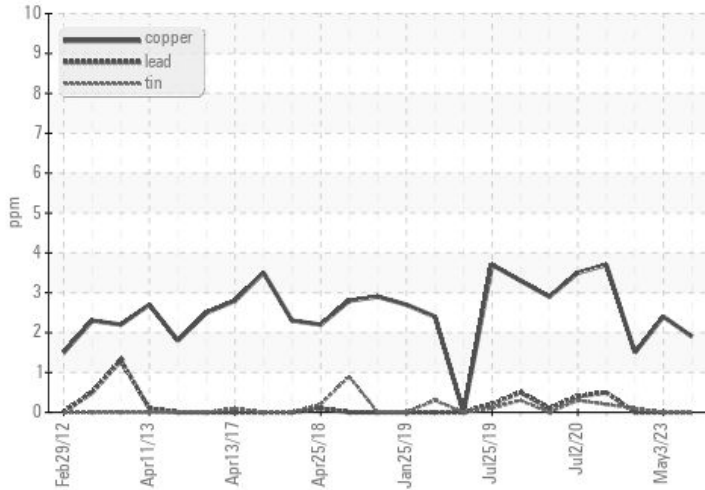


VOLVO GRAPHS

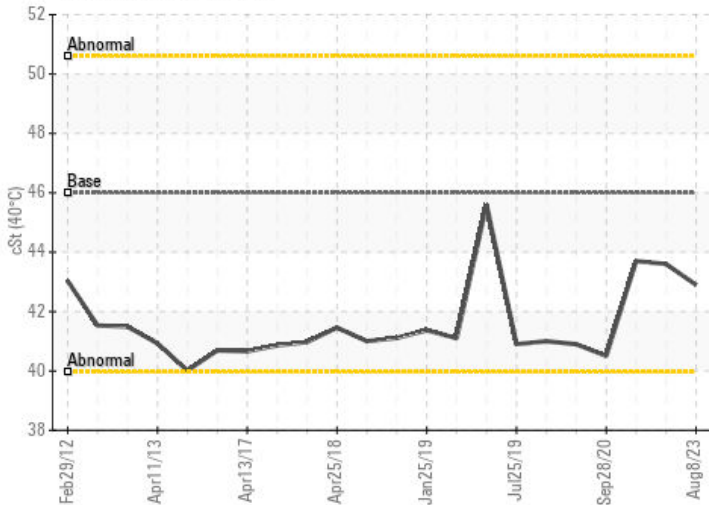
Ferrous Alloys



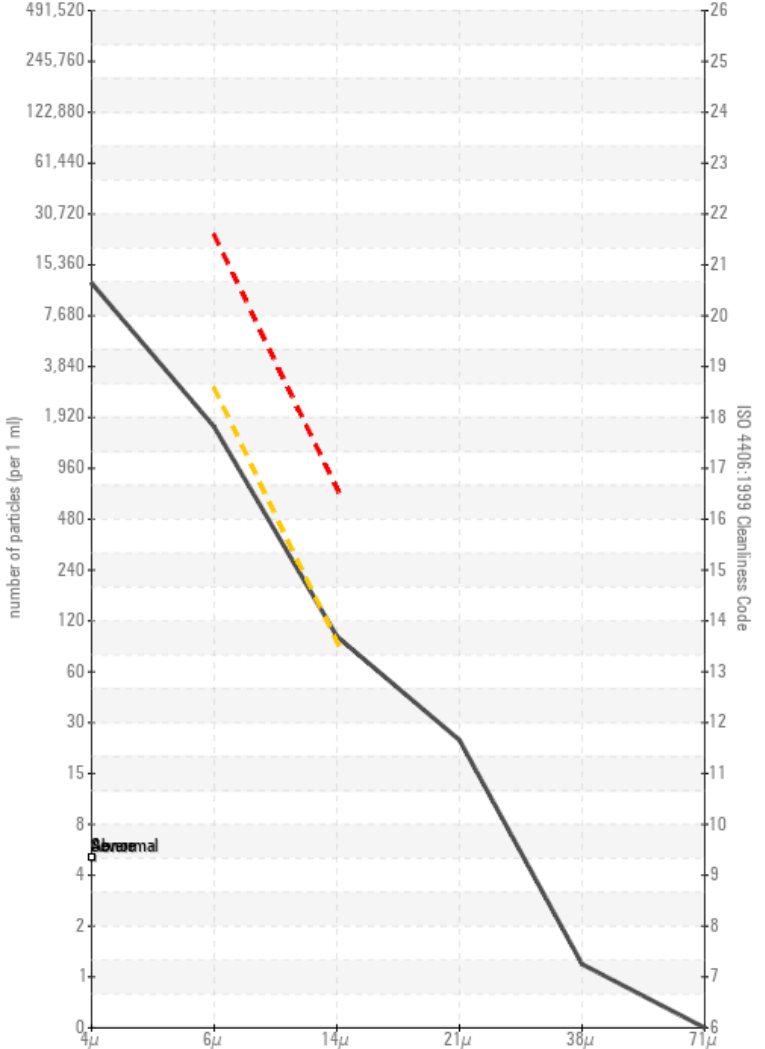
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

