



CONSTRUCTION EQUIPMENT

W02007860 VOLVO L330E 62190 - HYDRAULIC SYSTEM



Sample No: VCP447922
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: W02007860



SAMPLE INFORMATION

Sample Number	VCP447922	VCP377295	VCP302865	VCP288308
Sample Date	04 Jan 2024	07 Jul 2022	11 Feb 2021	01 Oct 2020
Machine Hours	6177	19334	12139	11645
Oil Hours	4000	2000	500	2000
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	NORMAL	ABNORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	43.5	46.8	71.3	53.0
Acid Number (AN)	mg KOH/g	0.43	0.42	0.657	0.565



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		7225	21886	120331	6222
Particles >6µm		960	5190	42607	328
Particles >14µm		44	226	1237	0
ISO 4406:1999 (c)		20/17/13	22/20/15	24/23/17	20/16/7
Silicon	ppm	0	2	4	6
Sodium	ppm	2	0	2	2
Potassium	ppm	0	<1	16	8

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	0	0	6	5
Copper	ppm	1	<1	5	5
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	2	2	25	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	198	88	912	74
Magnesium	ppm	39	14	294	6
Zinc	ppm	398	441	647	293
Phosphorus	ppm	351	343	608	271
Barium	ppm	0	0	0	0
Boron	ppm	4	3	38	4

Depot: VOLVO0002
Unique No: 10820700
Signed: Don Baldrige
Report Date: 10 Jan 2024

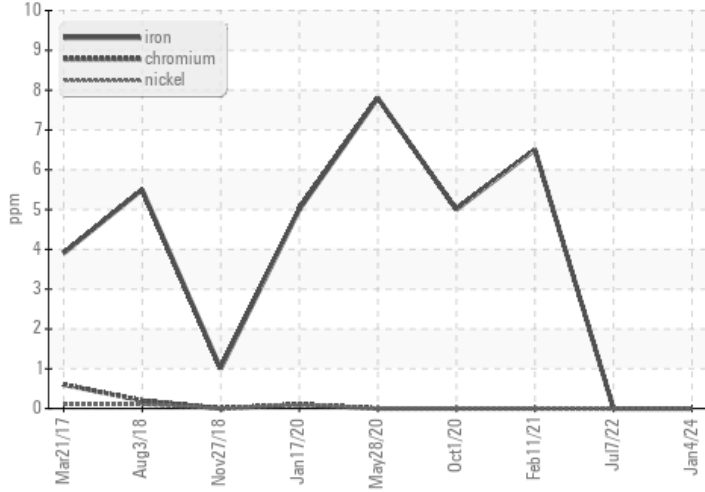


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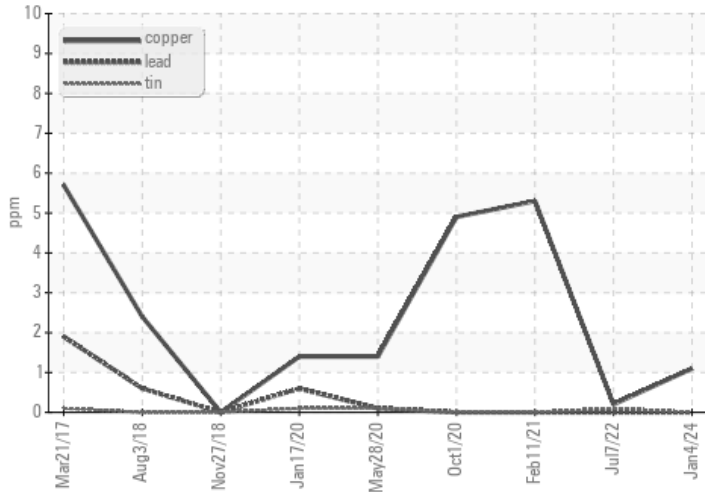


VOLVO GRAPHS

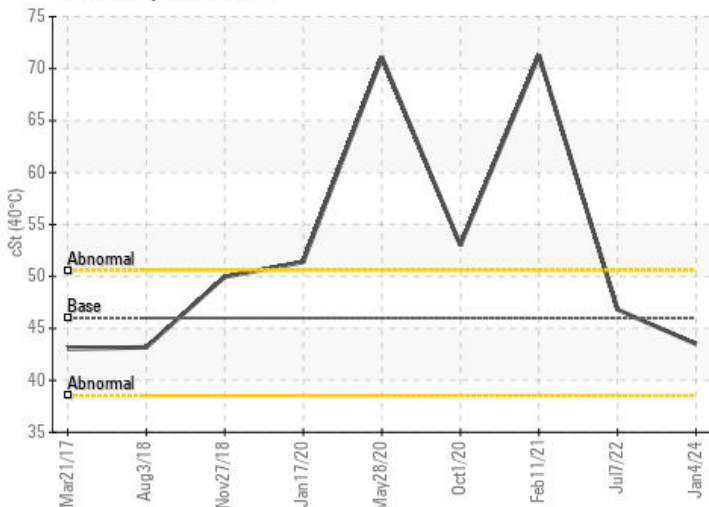
Ferrous Alloys



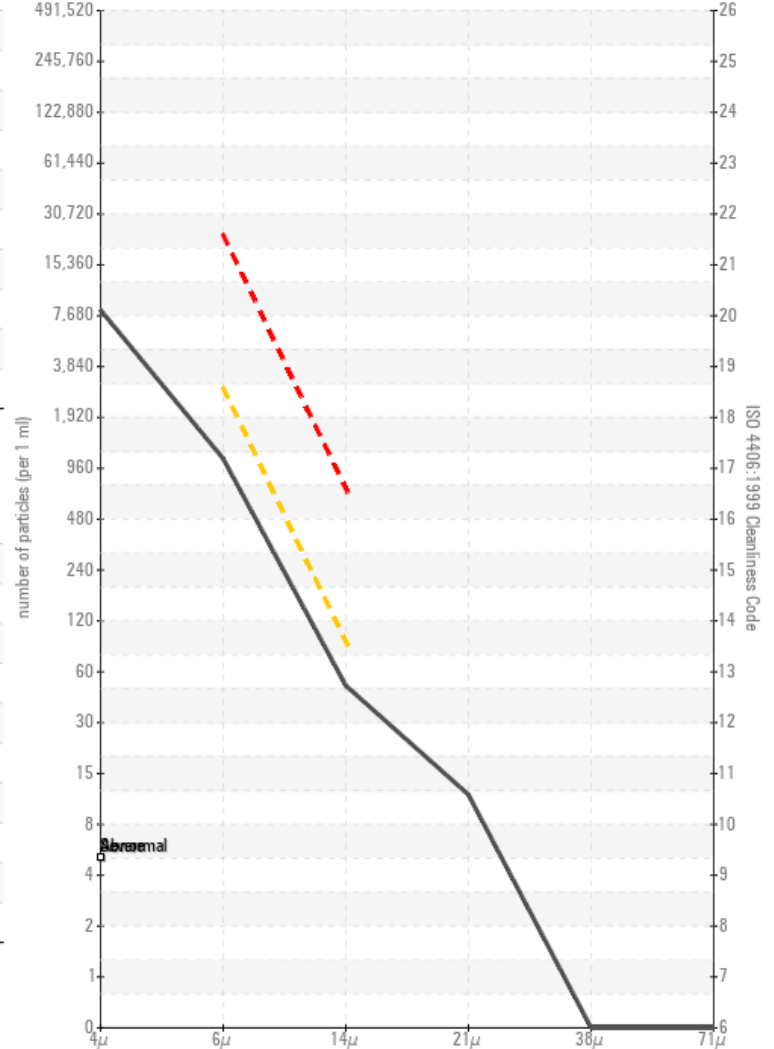
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

