



CONSTRUCTION EQUIPMENT

135200 VOLVO EC750E 314194 - HYDRAULIC SYSTEM



Sample No: VCP434674
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 135200



SAMPLE INFORMATION

Sample Number	VCP434674	VCP433925	VCP423801	VCP418850
Sample Date	29 Dec 2023	02 Oct 2023	07 Aug 2023	20 Jun 2023
Machine Hours	2941	2442	1964	1488
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE
 14242 S SH-34
 SCURRY, TX
 US 75158
 Contact: WALLACE WARREN
 wallace.warren@lafargeholcim.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	41.9	41.9	42.3	41.4
Acid Number (AN)	mg KOH/g	0.35	0.44	0.52	0.49



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		2053	19878	7492	14204
Particles >6µm		51	4605	2156	3277
Particles >14µm		4	131	112	171
ISO 4406:1999 (c)		18/13/9	21/19/14	20/18/14	21/19/15
Silicon	ppm	1	1	2	2
Sodium	ppm	1	0	2	<1
Potassium	ppm	0	<1	<1	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	3	3	4	5
Copper	ppm	5	5	8	8
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	0	0	<1	0
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	0
Vanadium	ppm	0	0	<1	<1



ADDITIVES

Calcium	ppm	144	63	78	78
Magnesium	ppm	<1	2	7	0
Zinc	ppm	446	461	454	482
Phosphorus	ppm	327	345	375	405
Barium	ppm	0	0	<1	0
Boron	ppm	0	0	0	0

Depot: LATSCU
Unique No: 10821305
Signed: Wes Davis
Report Date: 10 Jan 2024

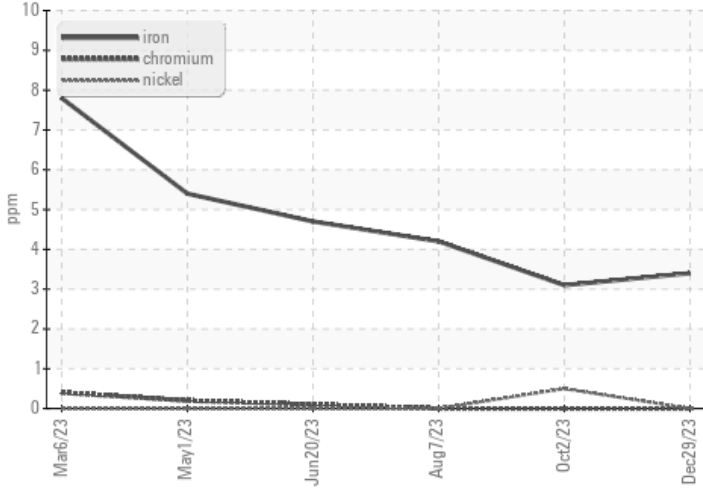


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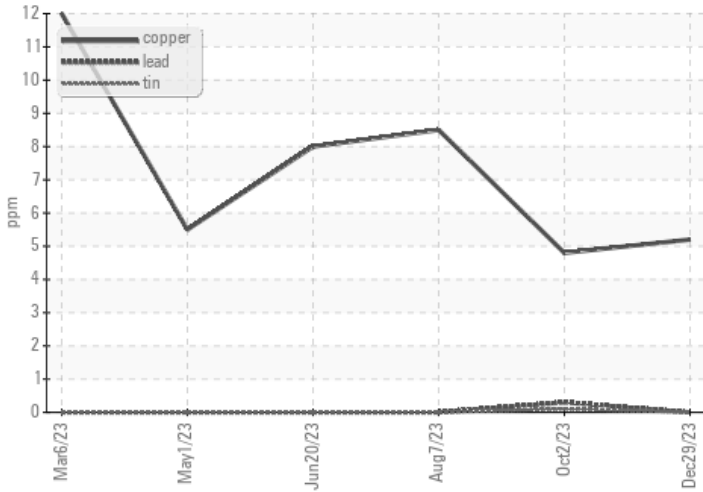


GRAPHS

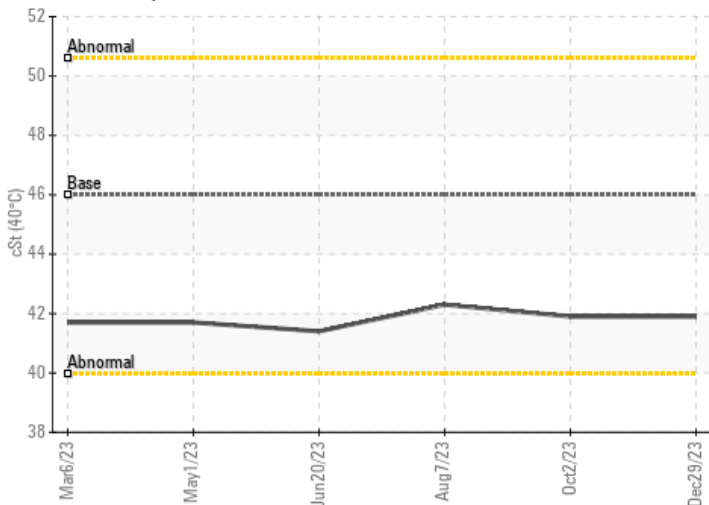
Ferrous Alloys



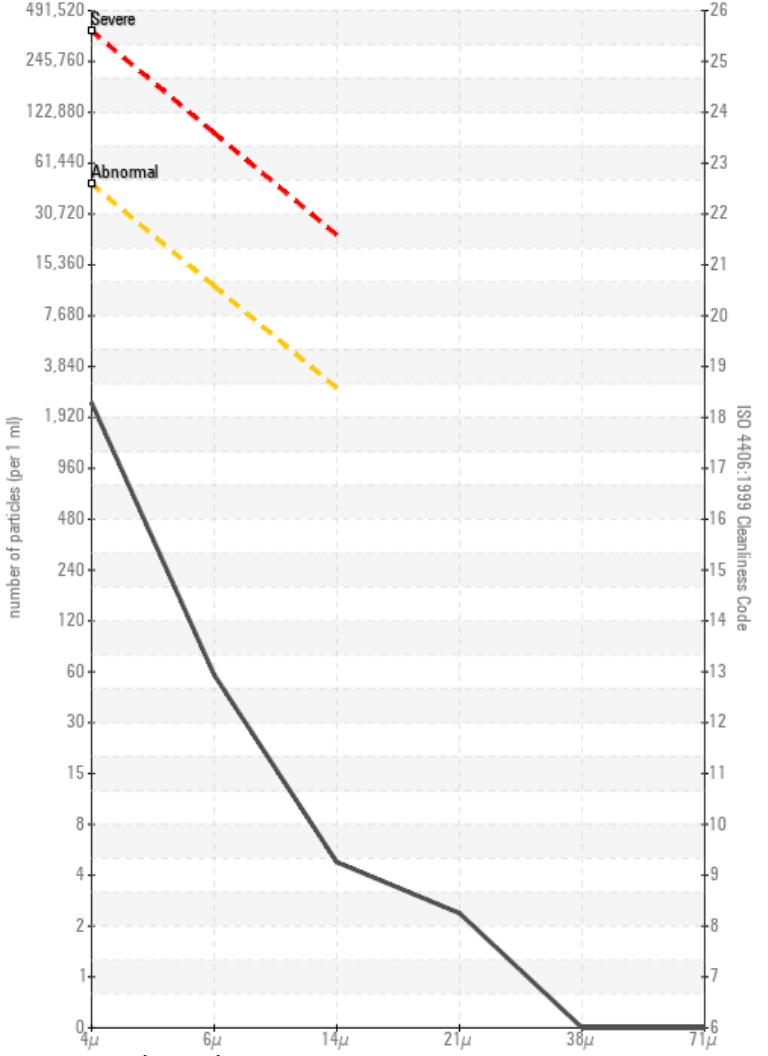
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

