



CONSTRUCTION EQUIPMENT

135866 VOLVO EC750E 314194 - HYDRAULIC SYSTEM



Sample No: VCP443074
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 135866



LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE
 14242 S SH-34
 SCURRY, TX
 US 75158
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SAMPLE INFORMATION

Sample Number	VCP443074	VCP434674	VCP433925	VCP423801
Sample Date	19 Mar 2024	29 Dec 2023	02 Oct 2023	07 Aug 2023
Machine Hours	3477	2941	2442	1964
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

OIL CONDITION

Visc @ 40°C	cSt	41.9	41.9	41.9	42.3
Acid Number (AN)	mg KOH/g	0.504	0.35	0.44	0.52

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		11830	2053	19878	7492
Particles >6µm		1374	51	4605	2156
Particles >14µm		43	4	131	112
ISO 4406:1999 (c)		21/18/13	18/13/9	21/19/14	20/18/14
Silicon	ppm	3	1	1	2
Sodium	ppm	<1	1	0	2
Potassium	ppm	<1	0	<1	<1

WEAR METALS

Iron	ppm	6	3	3	4
Copper	ppm	6	5	5	8
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	0	0	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	<1

ADDITIVES

Calcium	ppm	152	144	63	78
Magnesium	ppm	<1	<1	2	7
Zinc	ppm	456	446	461	454
Phosphorus	ppm	373	327	345	375
Barium	ppm	0	0	0	<1
Boron	ppm	0	0	0	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.

Depot: LATSCU
Unique No: 10941861
Signed: Wes Davis
Report Date: 27 Mar 2024

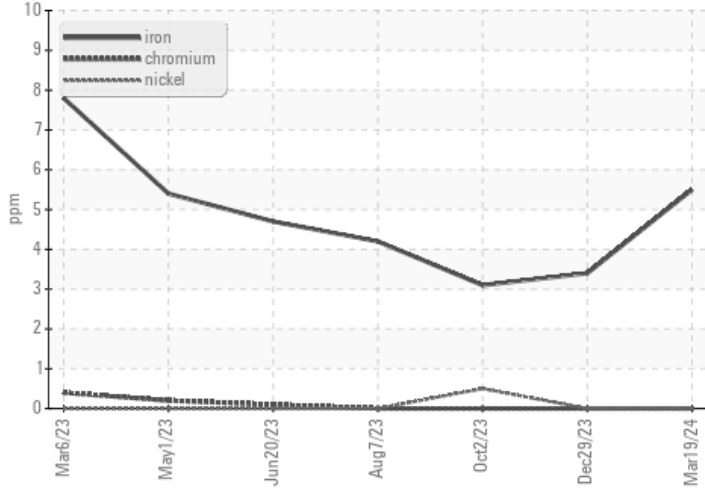


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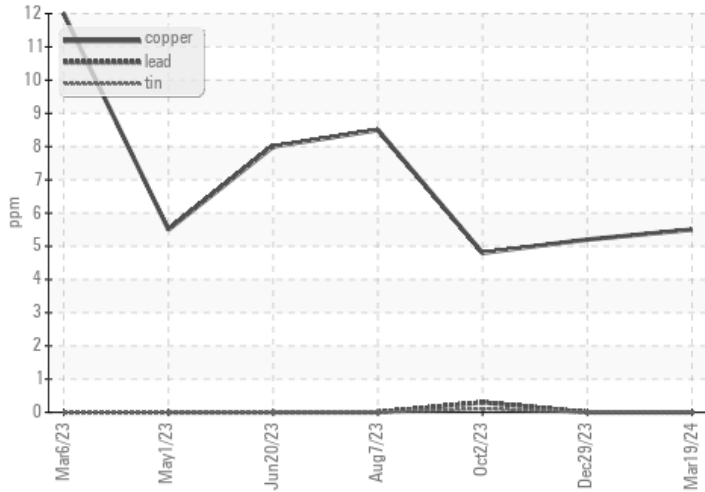


GRAPHS

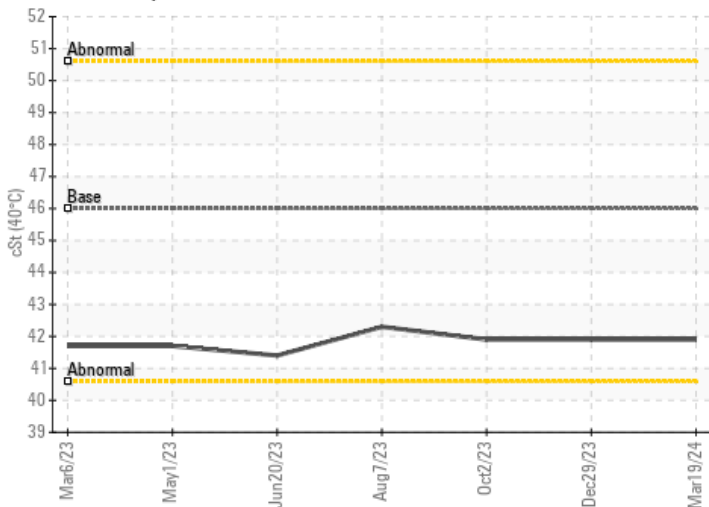
Ferrous Alloys



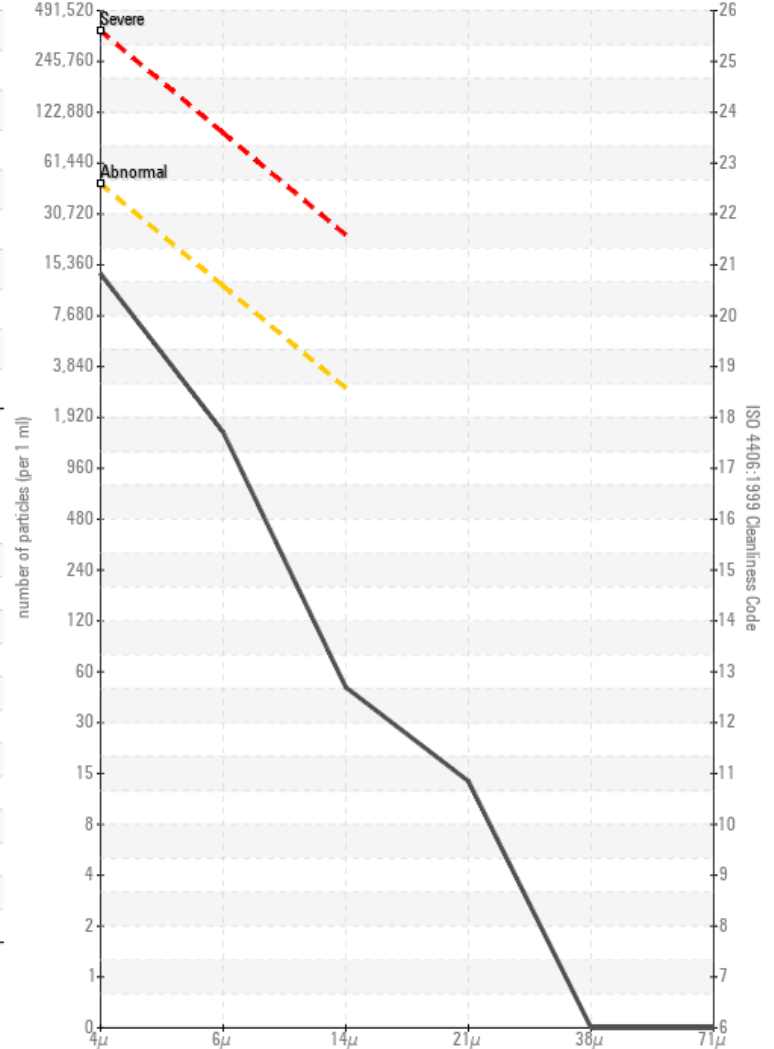
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

