CONSTRUCTION EQUIPMENT

133989 VOLVO EC750E 314194 - HYDRAULIC SYSTEM

Sample No: VCP423801
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 133989

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

SAMPLE INFORMATION

Sample Number		**VCP423801**	VCP418850	VCP410099	VCP382684
Sample Date		**07 Aug 2023**	20 Jun 2023	01 May 2023	06 Mar 2023
Machine Hours		**1964**	1488	1014	522
Oil Hours		**0**	0	0	0
Oil Changed		**Changed**	Not Changd	Not Changd	Not Changd
Sample Status		**NORMAL**	ABNORMAL	ATTENTION	NORMAL

OIL CONDITION

Visc @ 40°C	cSt	**42.3**	41.4	41.7	41.7
Acid Number (AN)	mg KOH/g	**0.52**	0.49	0.52	0.42

CONTAMINATION

Particles >4µm		**7492**	14204	▲ 72100	3550
Particles >6µm		**2156**	3277	9106	403
Particles >14µm		**112**	171	23	17
ISO 4406:1999 (c)		**20/18/14**	21/19/15	23/20/12	19/16/11
Silicon	ppm	**2**	2	1	4
Sodium	ppm	**2**	<1	<1	<1
Potassium	ppm	**<1**	0	<1	0

WEAR METALS

Iron	ppm	**4**	5	5	8
Copper	ppm	**8**	8	6	12
Lead	ppm	**0**	0	0	0
Tin	ppm	**0**	0	0	0
Aluminum	ppm	**<1**	0	<1	<1
Chromium	ppm	**0**	<1	<1	<1
Molybdenum	ppm	**0**	0	<1	<1
Nickel	ppm	**0**	0	0	0
Titanium	ppm	**<1**	0	0	0
Silver	ppm	**0**	0	0	0
Manganese	ppm	**<1**	0	<1	<1
Vanadium	ppm	**<1**	<1	0	0

ADDITIVES

Calcium	ppm	**78**	78	83	177
Magnesium	ppm	**7**	0	0	<1
Zinc	ppm	**454**	482	528	962
Phosphorus	ppm	**375**	405	420	740
Barium	ppm	**<1**	0	0	0
Boron	ppm	**0**	0	0	0

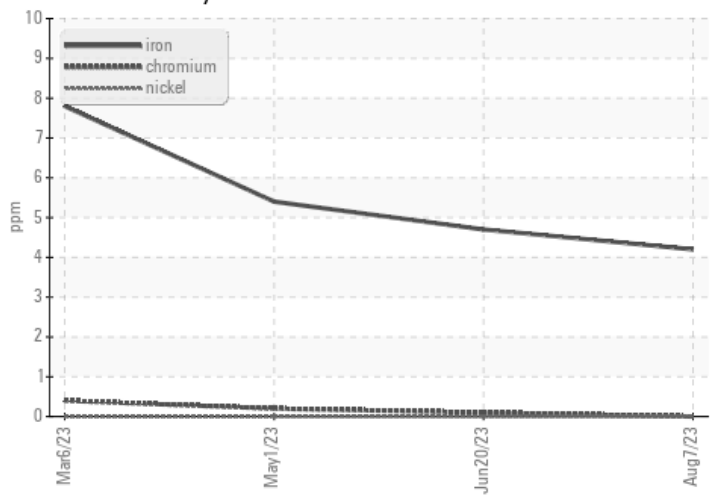
Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.
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.

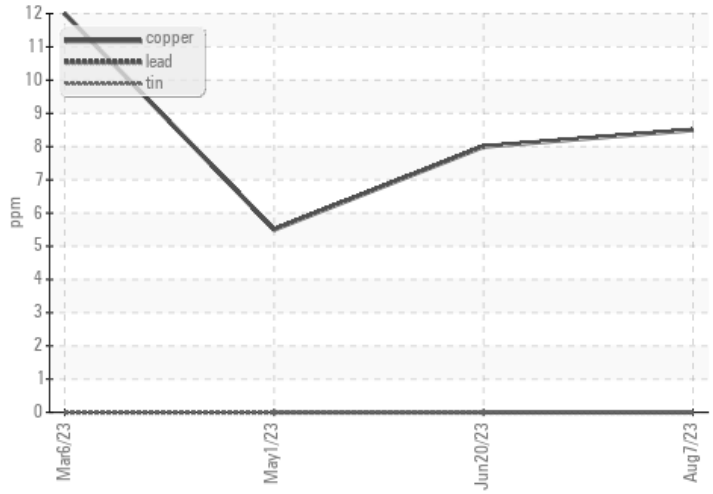
Depot: LATSCU
Unique No: 10603274
Signed: Wes Davis
Report Date: 15 Aug 2023

GRAPHS

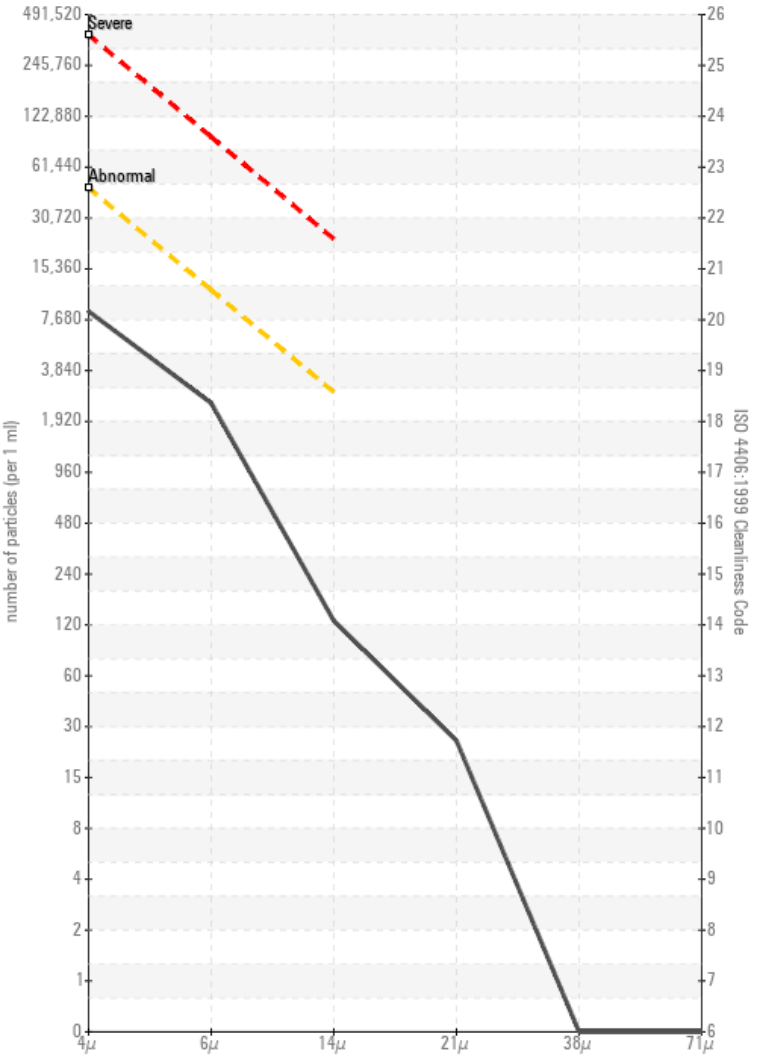
Ferrous Alloys



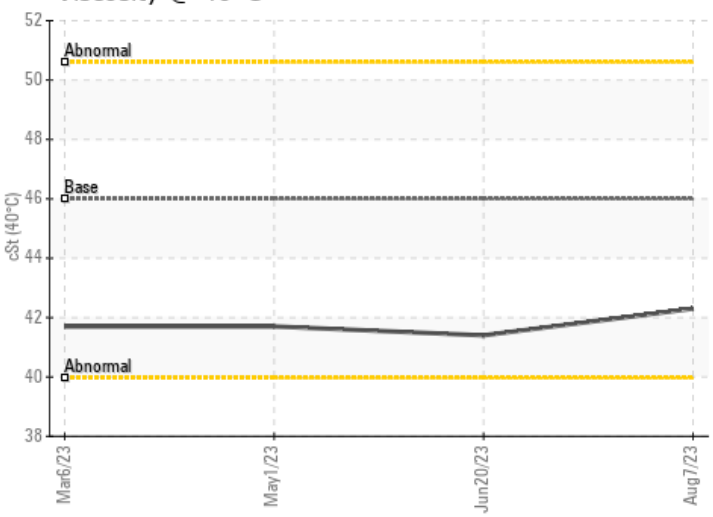
Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number