CONSTRUCTION EQUIPMENT

TMR-OCALA 6TH ST SPM567633 VOLVO L90G 3185 - HYDRAULIC SYSTEM

Sample No: VCP412934
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM567633

TRADEMARK METALS RECYCLING - OCALA - 6TH STREET
2402 NW 6TH STREET
OCALA, FL
US 34475
Contact: RYAN BOWDEN

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SAMPLE INFORMATION

Sample Number		**VCP412934**	DJJ0018300	VCP381510	VCP346513
Sample Date		**26 Jul 2023**	14 Apr 2023	31 Oct 2022	23 Feb 2022
Machine Hours		**12394**	12187	11911	11414
Oil Hours		**0**	0	0	0
Oil Changed		**Not Changd**	N/A	Not Changd	Changed
Sample Status		**NORMAL**	ABNORMAL	NORMAL	ATTENTION

OIL CONDITION

Visc @ 40°C	cSt	**50.1**	48.8	49.1	▲ 62.45
Acid Number (AN)	mg KOH/g	**0.37**	0.37	0.44	0.41

CONTAMINATION

Particles >4µm		**1933**	▲ 18806	2225	18027
Particles >6µm		**314**	▲ 3750	419	1536
Particles >14µm		**17**	118	22	13
ISO 4406:1999 (c)		**18/15/11**	21/19/14	18/16/12	21/18/11
Silicon	ppm	**1**	1	1	3
Sodium	ppm	**2**	<1	<1	1
Potassium	ppm	**0**	0	0	3

WEAR METALS

Iron	ppm	**<1**	0	<1	2
Copper	ppm	**1**	<1	<1	<1
Lead	ppm	**<1**	0	<1	<1
Tin	ppm	**0**	0	0	0
Aluminum	ppm	**<1**	<1	<1	<1
Chromium	ppm	**0**	0	0	<1
Molybdenum	ppm	**13**	12	12	10
Nickel	ppm	**0**	0	0	0
Titanium	ppm	**<1**	0	0	<1
Silver	ppm	**0**	0	0	0
Manganese	ppm	**0**	<1	0	0
Vanadium	ppm	**<1**	0	0	0

ADDITIVES

Calcium	ppm	**202**	183	193	398
Magnesium	ppm	**49**	48	46	45
Zinc	ppm	**412**	356	368	521
Phosphorus	ppm	**347**	313	321	399
Barium	ppm	**0**	0	0	0
Boron	ppm	**14**	13	16	18

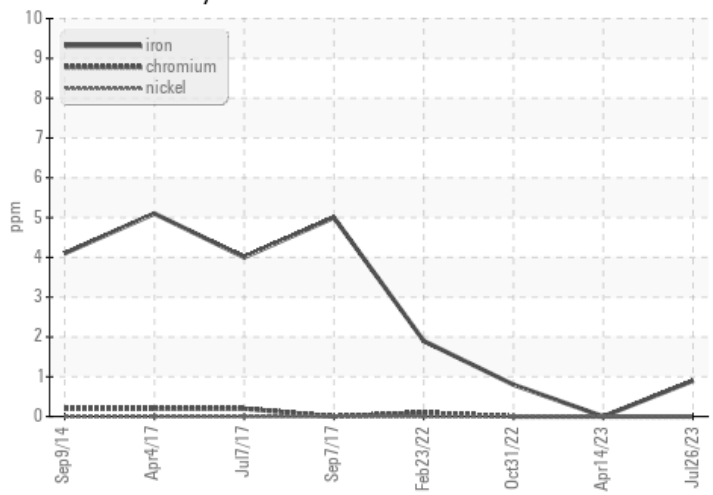
Diagnosis

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.

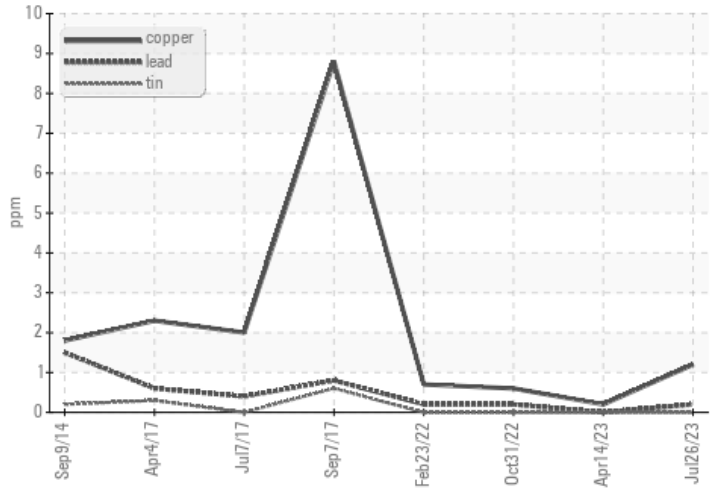
Depot: TRAOCA6
Unique No: 10580079
Signed: Wes Davis
Report Date: 03 Aug 2023

GRAPHS

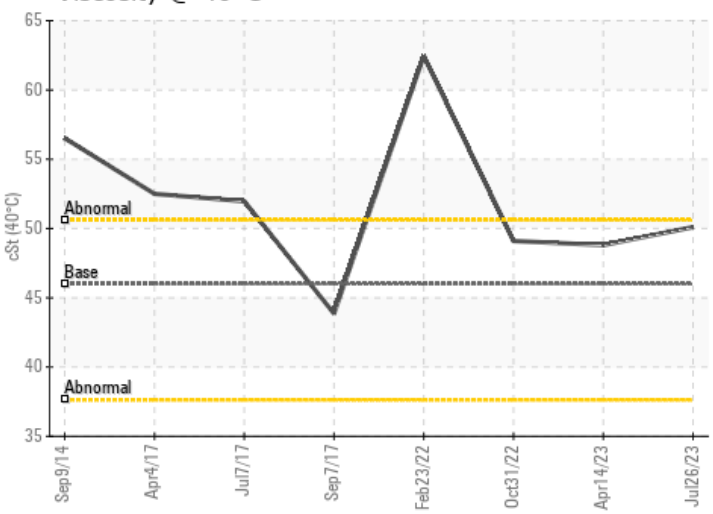
Ferrous Alloys



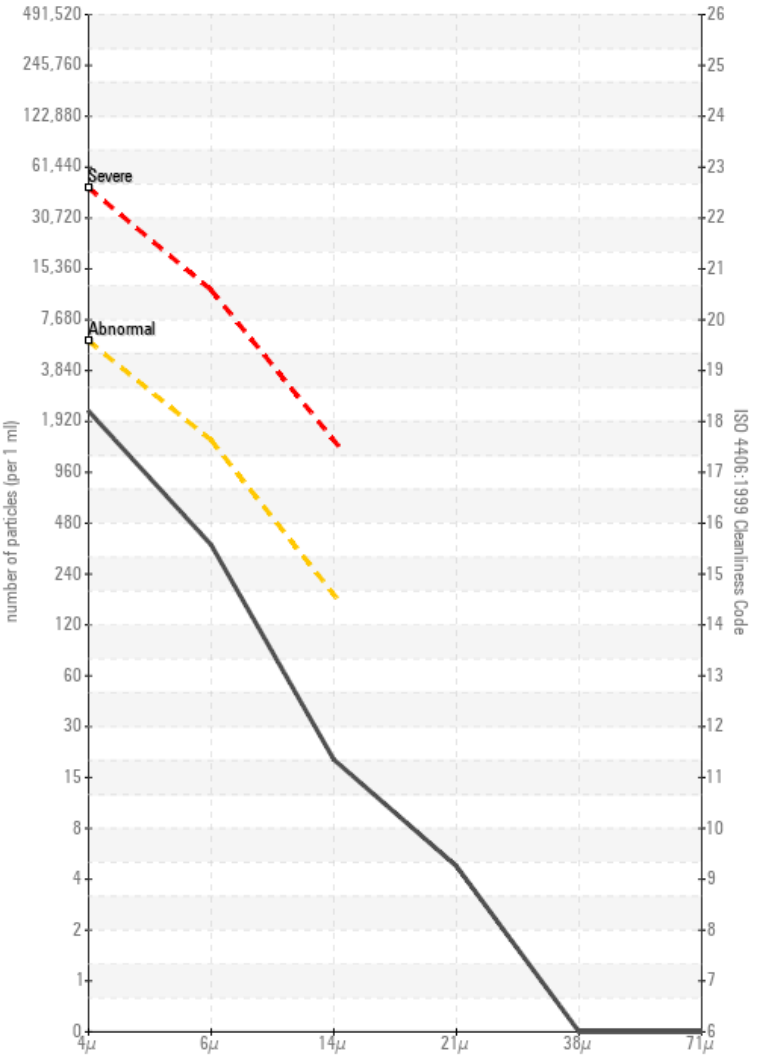
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number