CONSTRUCTION EQUIPMENT
A12573 VOLVO L180H 5740 - HYDRAULIC SYSTEM

Sample No: VCP412364
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A12573

WASTE MANAGEMENT - TELFORD
400 PROGRESS DR
TELFORD, PA
US 18969-1191
Contact: EDWARD ROGENER
erogener@wm.com
T:
F:

SAMPLE INFORMATION

Sample Number		**VCP412364**	VCP429635	VCP439305	VCP429685
Sample Date		**13 May 2024**	22 Mar 2024	24 Jan 2024	08 Dec 2023
Machine Hours		**2345**	1960	1505	1135
Oil Hours		**1500**	0	1505	1135
Oil Changed		**Not Changd**	Not Changd	Not Changd	Not Changd
Sample Status		**NORMAL**	ATTENTION	ATTENTION	ABNORMAL

OIL CONDITION

Visc @ 40°C	cSt	**42.0**	42.3	42.3	42.7
Acid Number (AN)	mg KOH/g	**0.25**	0.26	0.26	0.27

CONTAMINATION

Water	%	**NEG**	NEG	NEG	NEG
Particles >4µm		**3912**	4292	9648	19588
Particles >6µm		**577**	1254	1868	4397
Particles >14µm		**23**	114	103	175
ISO 4406:1999 (c)		**19/16/12**	19/17/14	20/18/14	21/19/15
Silicon	ppm	**<1**	<1	1	<1
Sodium	ppm	**2**	<1	0	0
Potassium	ppm	**<1**	0	<1	<1

WEAR METALS

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

ADDITIVES

Calcium	ppm	**55**	51	63	56
Magnesium	ppm	**0**	0	1	4
Zinc	ppm	**407**	426	444	440
Phosphorus	ppm	**317**	322	340	362
Barium	ppm	**0**	0	13	6
Boron	ppm	**0**	0	0	0

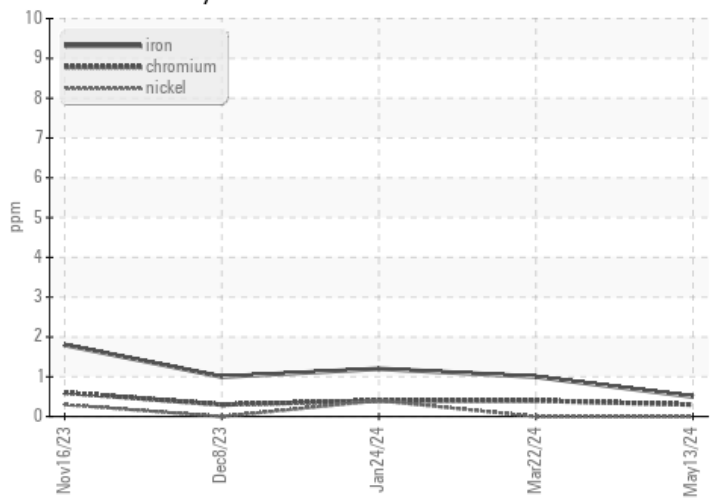
Diagnosis

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.

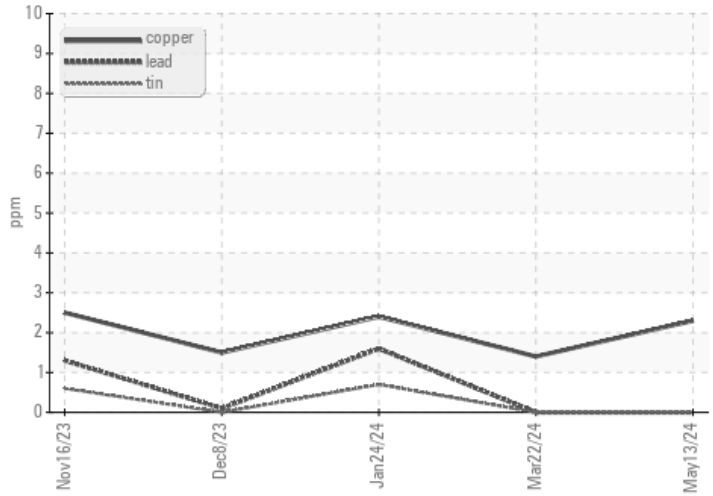
Depot: WASTEL
Unique No: 11032596
Signed: Jonathan Hester
Report Date: 20 May 2024

GRAPHS

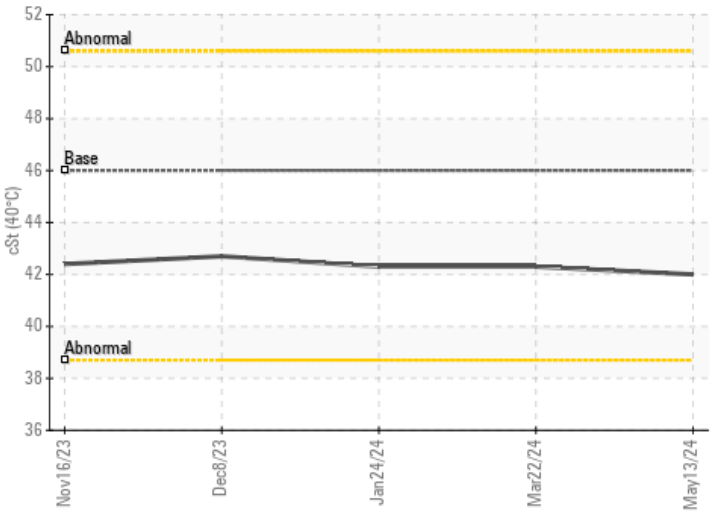
Ferrous Alloys



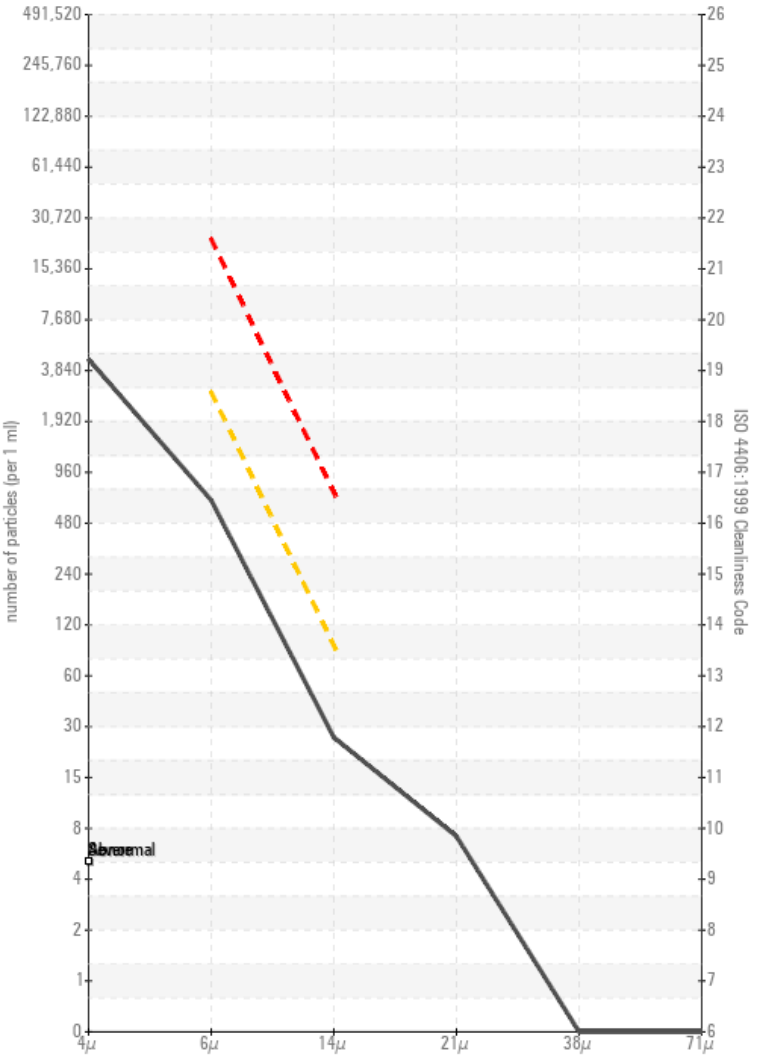
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number