



CONSTRUCTION EQUIPMENT

SWO-071558 EPIROC TMG2 ISEDO 165 - HYDRAULIC SYSTEM



Sample No: VCP453711
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWO-071558



SAMPLE INFORMATION

Sample Number	VCP453711	VCP438687	VCP455403	VCP444237
Sample Date	01 May 2024	28 Mar 2024	17 Mar 2024	13 Feb 2024
Machine Hours	5608	5235	5181	4946
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ATTENTION

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OIL CONDITION

Visc @ 40°C	cSt	45.3	47.0	47.2	47.0
Acid Number (AN)	mg KOH/g	0.65	0.54	0.70	0.58

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		777	39459	32675	4737
Particles >6µm		231	18751	13483	1790
Particles >14µm		28	1476	1377	160
ISO 4406:1999 (c)		17/15/12	22/21/18	22/21/18	19/18/14
Silicon	ppm	4	2	3	3
Sodium	ppm	0	0	<1	1
Potassium	ppm	0	<1	0	<1

Diagnosis
 Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

Iron	ppm	0	2	4	2
Copper	ppm	<1	2	3	2
Lead	ppm	0	0	0	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	0	2	0	<1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	<1	1	2	2
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	113	137	118	110
Magnesium	ppm	9	17	22	32
Zinc	ppm	664	657	711	598
Phosphorus	ppm	531	514	546	429
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	2

Depot: SAIBIR
Unique No: 11019889
Signed: Don Baldrige
Report Date: 14 May 2024

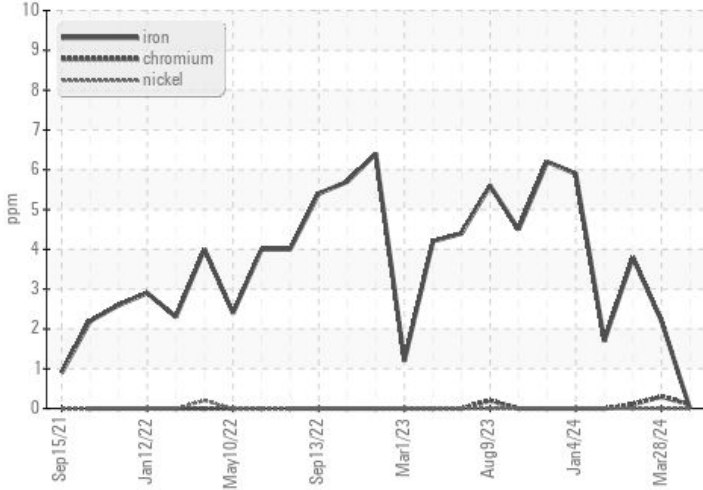


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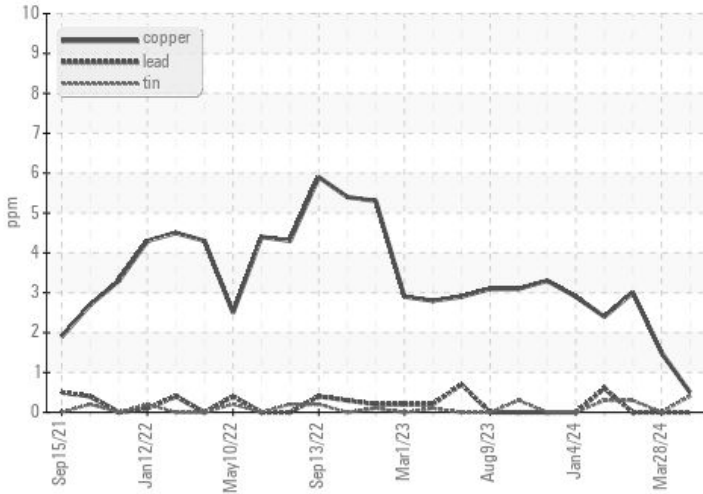


GRAPHS

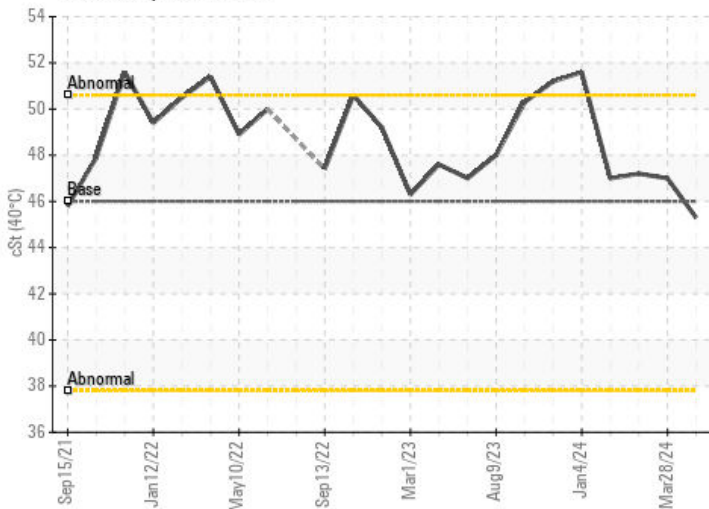
Ferrous Alloys



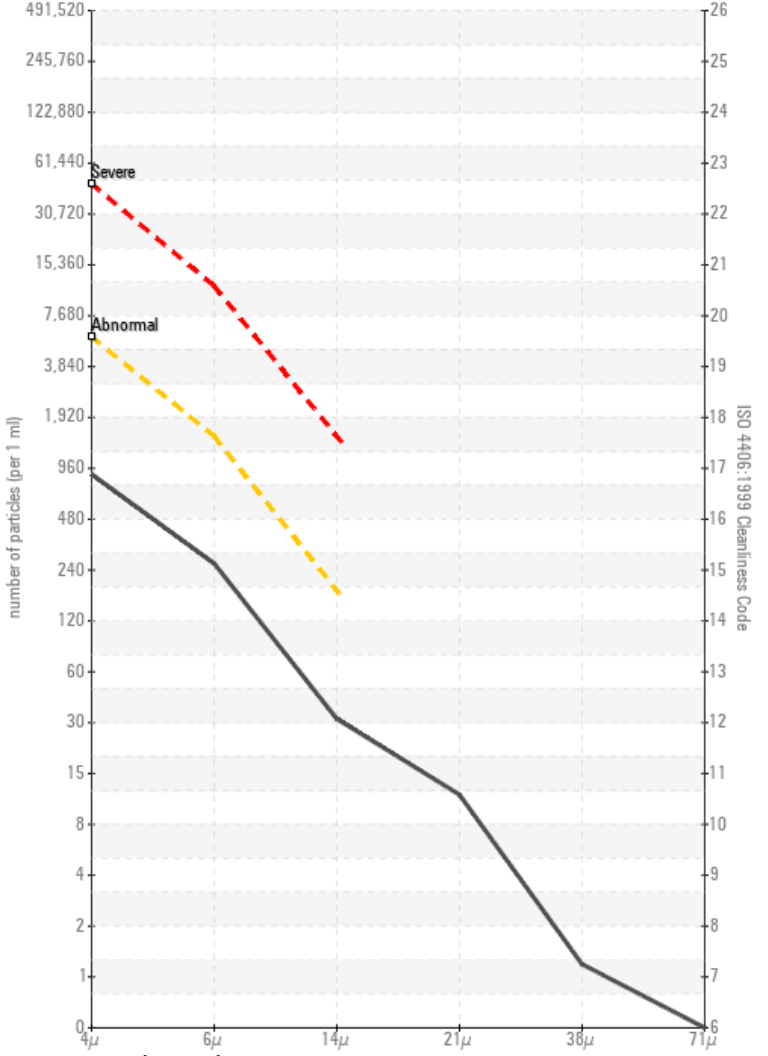
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

