



CONSTRUCTION EQUIPMENT

D27477 JANESVILLE RE VOLVO L70H 623025 - HYDRAULIC SYSTEM



Sample No: VCP405104
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: D27477 JANESVILLE RE



SAMPLE INFORMATION

Sample Number	VCP405104	VCP381253	VCP395278	VCP391295
Sample Date	18 Jul 2023	17 May 2023	15 Mar 2023	14 Dec 2022
Machine Hours	7632	7425	7200	6860
Oil Hours	4000	0	4000	1500
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	ABNORMAL	ABNORMAL	ATTENTION

ARING EQUIPMENT COMPANY INC - MADISON/DE FOREST
 5005 CAKE PKWY
 DE FOREST, WI
 US 53532-1004
 Contact: JON KANN
 jkann@aring.com
 T: (608)846-9600
 F: (608)222-9198



OIL CONDITION

Visc @ 40°C	cSt	40.6	40.6	40.8	33.9
Acid Number (AN)	mg KOH/g	0.39	0.39	0.53	0.37



CONTAMINATION

Particles >4µm		3725	18568	---	4464
Particles >6µm		1085	4998	---	1238
Particles >14µm		98	363	---	100
ISO 4406:1999 (c)		19/17/14	21/19/16	---	19/17/14
Silicon	ppm	2	3	3	2
Sodium	ppm	5	8	5	6
Potassium	ppm	<1	<1	1	0

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.



WEAR METALS

Iron	ppm	23	23	23	17
Copper	ppm	2	4	4	4
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	1	0
Chromium	ppm	5	5	5	4
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	88	129	90	90
Magnesium	ppm	6	32	2	0
Zinc	ppm	440	458	437	429
Phosphorus	ppm	349	391	328	349
Barium	ppm	2	0	3	2
Boron	ppm	0	0	<1	0

Depot: VOLVO0070
Unique No: 10589280
Signed: Don Baldrige
Report Date: 08 Aug 2023

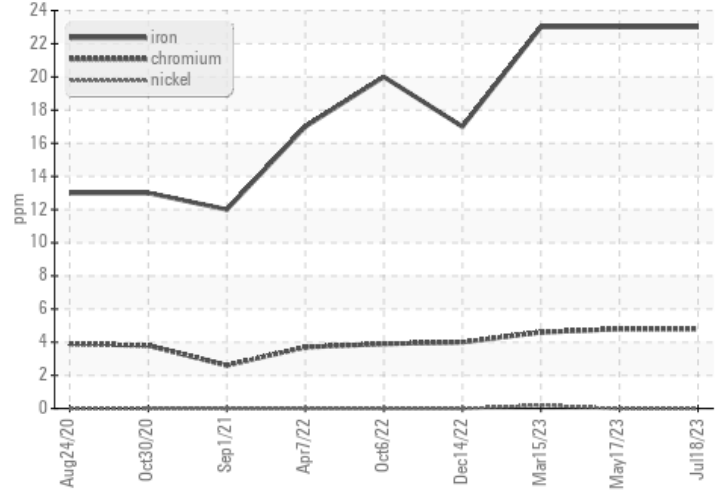


CONSTRUCTION EQUIPMENT

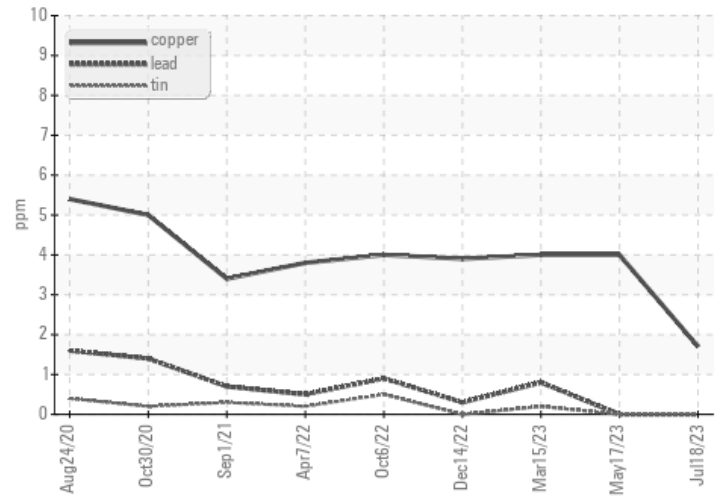


GRAPHS

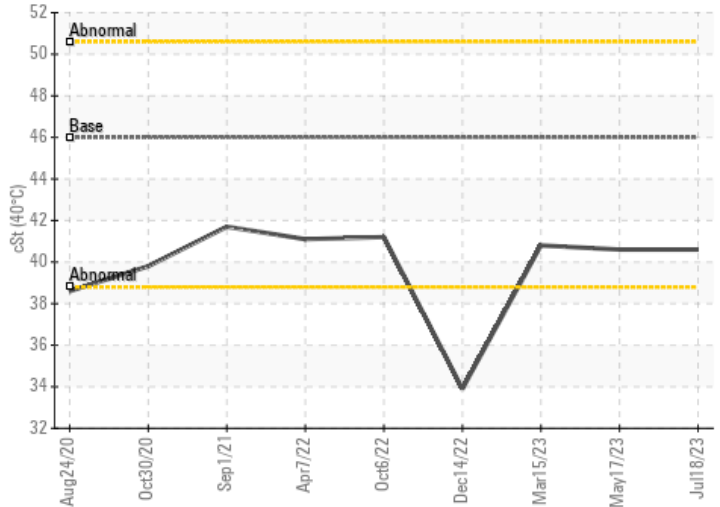
Ferrous Alloys



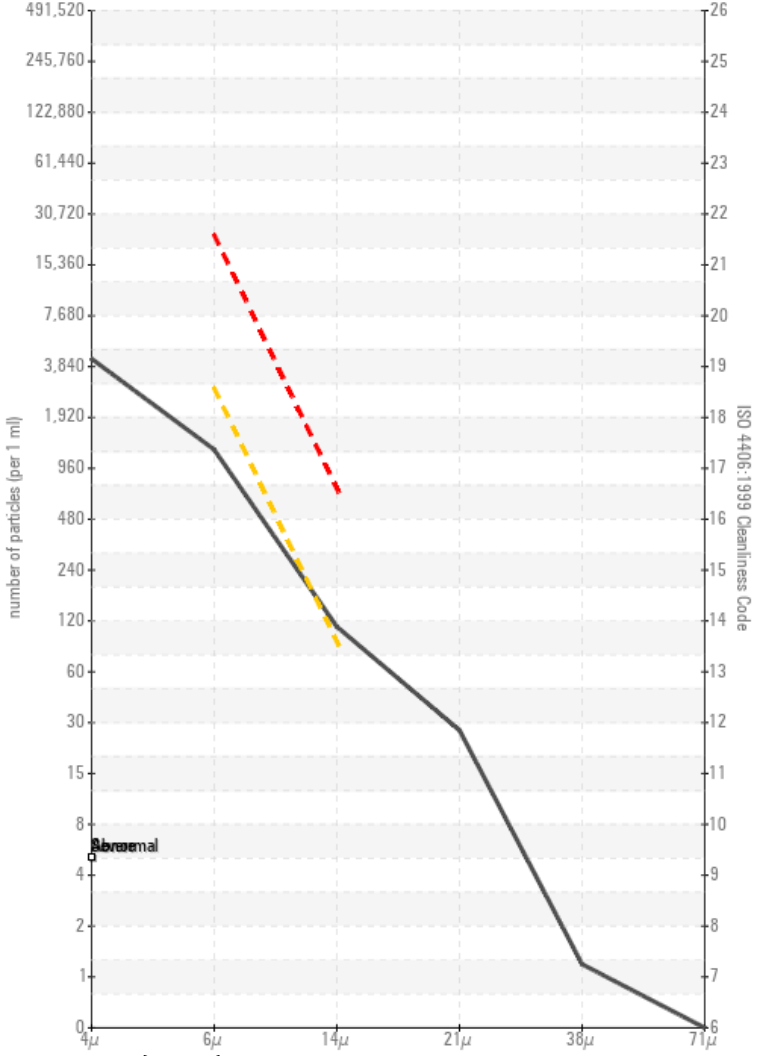
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

