

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934C 041654-1006 - Hydraulic System

Sample No: LH0244687

Oil Type: MV 47



SAMPLE INFORMATION

Sample Number	LH0244687	DJJ019949	DJJ018333	DJJ018719
Sample Date	15 Jun 2023	07 Dec 2016	20 Nov 2015	20 Nov 2015
Machine Hours	1855	13397	12886	12886
Oil Hours	0	2000	2000	0
Oil Changed	Not Changd	Not Changd	N/A	N/A
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

DUMES INC

1640 NORTH 6TH ST
VINCENNES, IN
US 47591

Contact:



OIL CONDITION

Visc @ 40°C	cSt	65.7	61.44	53.11	57.97
Acid Number (AN)	mg KOH/g	0.39	0.555	0.452	0.582

T:

F:



CONTAMINATION

Particles >4µm		2345	998	3286	826
Particles >6µm		526	544	1790	450
Particles >14µm		27	92	305	76
ISO 4406:1999 (c)		18/16/12	17/16/14	19/18/15	17/16/13
Silicon	ppm	1	<1	4	1
Sodium	ppm	2	<1	2	0
Potassium	ppm	3	<1	<1	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.



WEAR METALS

Iron	ppm	8	4	11	4
Copper	ppm	5	1	5	1
Lead	ppm	2	<1	<1	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	2	<1	11	<1
Molybdenum	ppm	1	<1	<1	<1
Nickel	ppm	<1	0	0	<1
Titanium	ppm	4	0	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	142	77	57	70
Magnesium	ppm	21	2	2	6
Zinc	ppm	417	404	427	416
Phosphorus	ppm	320	339	292	341
Barium	ppm	0	0	0	0
Boron	ppm	4	4	<1	<1

Depot: DUMVINLH

Unique No: 10536609

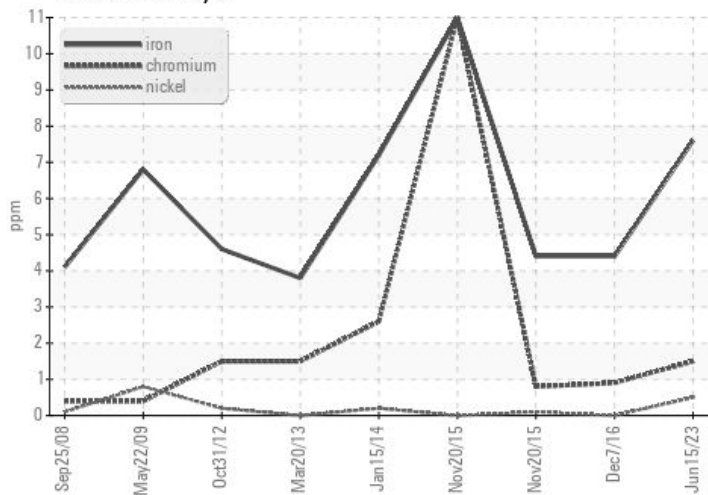
Signed: Wes Davis

Report Date: 02 Jul 2023

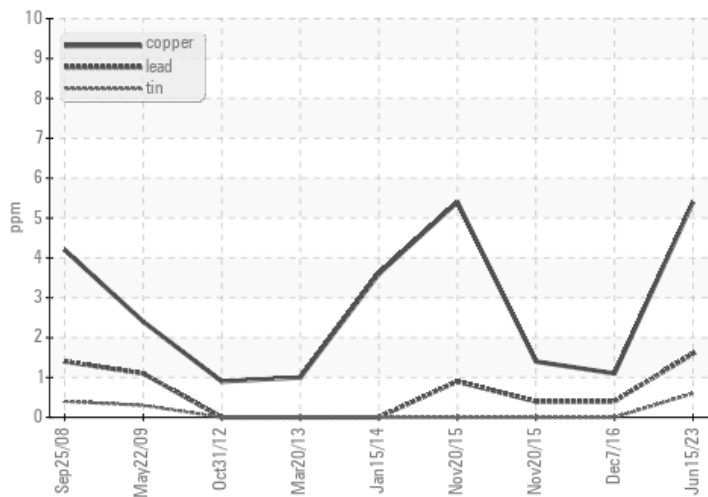


GRAPHS

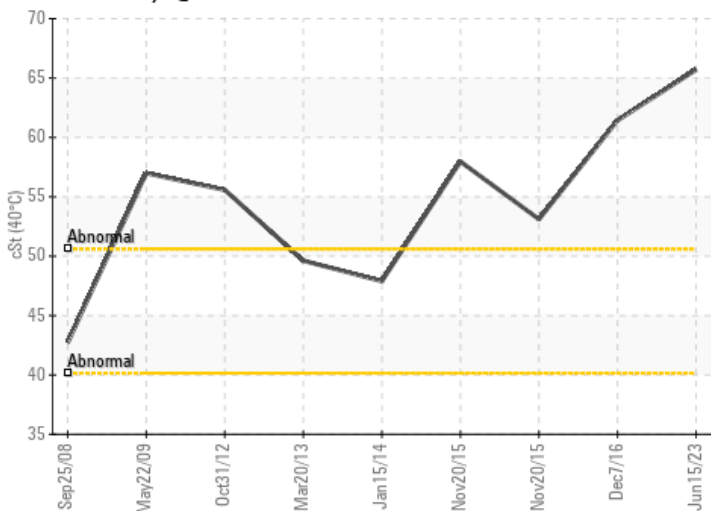
Ferrous Alloys



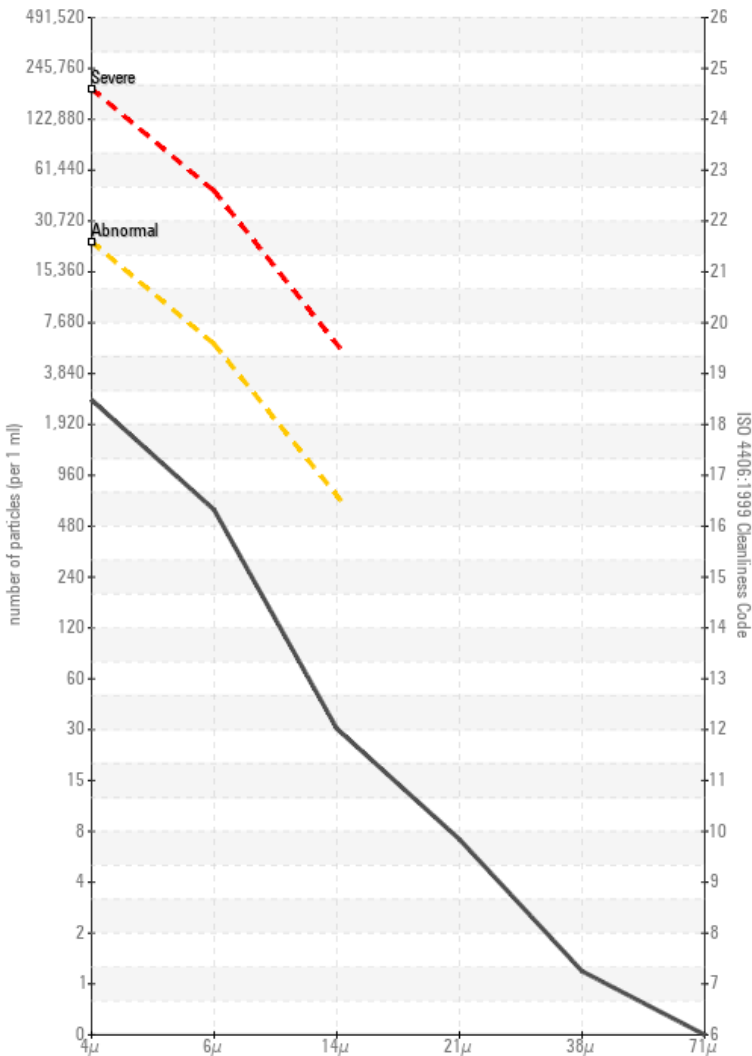
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

