LIEBHERR
CONSTRUCTION EQUIPMENT

LIEBHERR R926 1715-51969 - Hydraulic System

Sample No: LH0202119

Oil Type: NOT GIVEN

DIEHL AND NUEMAIER
5466 NORWAY GROVE SCHOOL RD
DE FOREST, WI
US 53532
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SAMPLE INFORMATION

Sample Number		**LH0202119**	LH05634926	LH0202110	---
Sample Date		**02 Nov 2023**	05 Sep 2022	27 Oct 2021	---
Machine Hours		**2002**	1010	508	---
Oil Hours		**0**	0	0	---
Oil Changed		**Not Changd**	Not Changd	Not Changd	---
Sample Status		**NORMAL**	NORMAL	ATTENTION	---

OIL CONDITION

Visc @ 40°C	cSt	**43.0**	43.8	44.8	---
Acid Number (AN)	mg KOH/g	**0.90**	1.08	1.085	---

CONTAMINATION

Particles >4µm		**2035**	2410	36660	---
Particles >6µm		**359**	170	3077	---
Particles >14µm		**30**	5	37	---
ISO 4406:1999 (c)		**18/16/12**	18/15/10	22/19/12	---
Silicon	ppm	**5**	5	6	---
Sodium	ppm	**3**	3	0	---
Potassium	ppm	**0**	0	<1	---

WEAR METALS

Iron	ppm	**5**	6	6	---
Copper	ppm	**4**	4	3	---
Lead	ppm	**0**	1	<1	---
Tin	ppm	**0**	<1	0	---
Aluminum	ppm	**0**	<1	0	---
Chromium	ppm	**0**	<1	<1	---
Molybdenum	ppm	**0**	<1	<1	---
Nickel	ppm	**0**	0	0	---
Titanium	ppm	**0**	0	<1	---
Silver	ppm	**0**	<1	<1	---
Manganese	ppm	**0**	<1	<1	---
Vanadium	ppm	**0**	0	0	---

ADDITIVES

Calcium	ppm	**1275**	1550	1691	---
Magnesium	ppm	**4**	7	6	---
Zinc	ppm	**672**	758	794	---
Phosphorus	ppm	**602**	646	707	---
Barium	ppm	**0**	0	0	---
Boron	ppm	**10**	17	15	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.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: DIEDEF
Unique No: 10741372
Signed: Wes Davis
Report Date: 15 Nov 2023

Report Id: DIEDEF [WUSCAR] 06007610 (Generated: 11/15/2023 14:51:53) Rev: 1

Submitted By: ?

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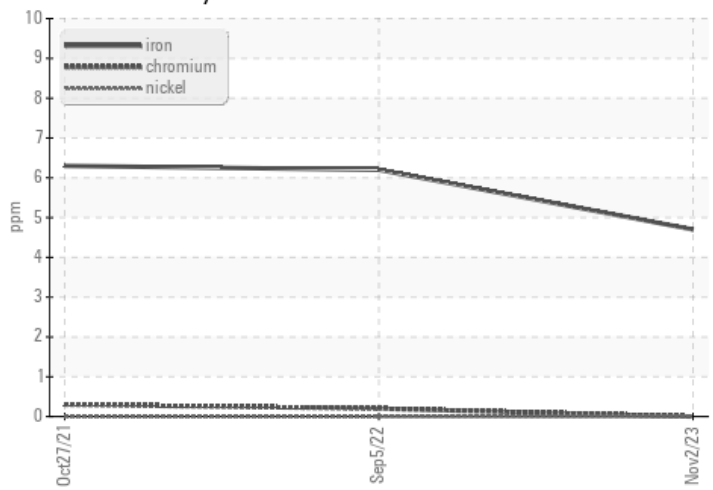
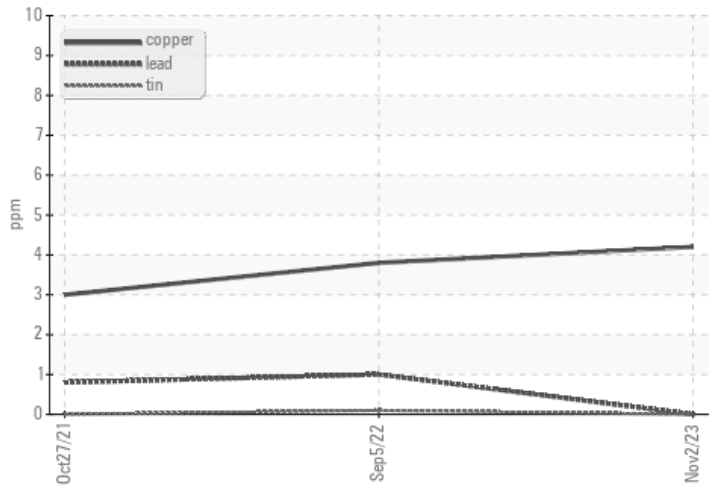
GRAPHS

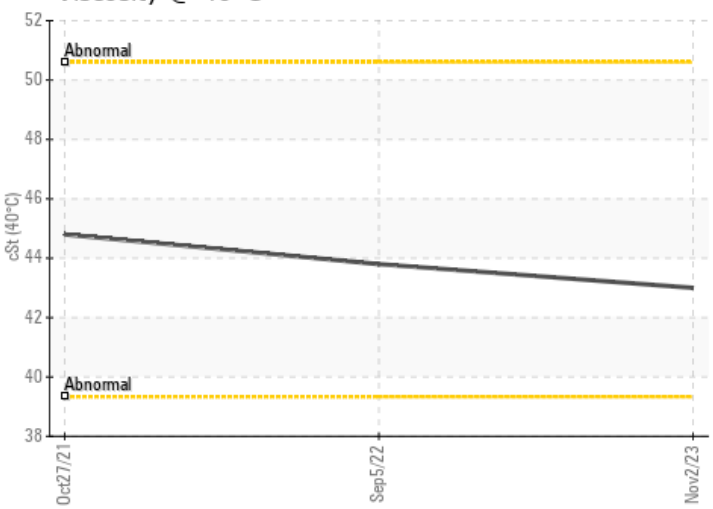
Ferrous Alloys



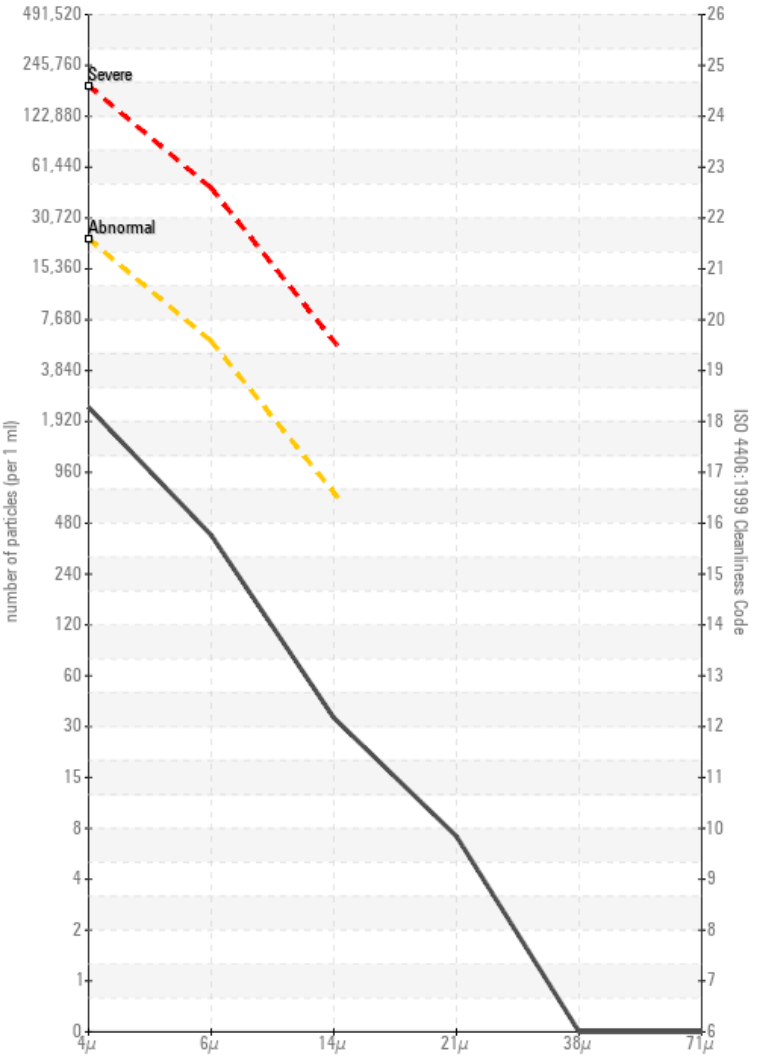
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number