

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R936 035770-1148 - Splitter Box

Sample No: LH0243943

Oil Type: LIEBHERR HYPOID 85W-140 EP



SAMPLE INFORMATION

Sample Number	LH0243943	LH0207413	LH0185463	LH0157352
Sample Date	17 Mar 2023	16 Aug 2022	10 Feb 2022	21 Sep 2020
Machine Hours	9047	8359	7859	6408
Oil Hours	688	500	1040	449
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ACECO

10119 RESIDENCY ROAD
MANASSAS, VA
US 20110
Contact: RON BROCK



OIL CONDITION

Visc @ 40°C	cSt	216	350	352	347
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T: (703)392-0111
F: (703)331-5604



CONTAMINATION

Silicon	ppm	2	5	7	3
Sodium	ppm	2	1	1	1
Potassium	ppm	2	1	7	3

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	51	35	70	14
Copper	ppm	0	2	4	<1
Lead	ppm	0	<1	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	4	5	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	1	0	0
Manganese	ppm	2	<1	2	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

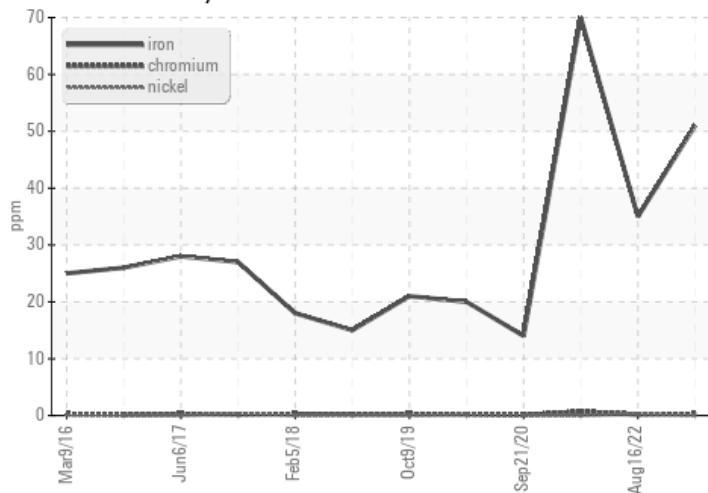
Calcium	ppm	14	8	3	3
Magnesium	ppm	2	<1	0	0
Zinc	ppm	22	46	88	6
Phosphorus	ppm	1502	1181	1309	1155
Barium	ppm	1	0	0	0
Boron	ppm	0	<1	0	0

Depot: ACEMAN
Unique No: 10608969
Signed: Don Baldrige
Report Date: 22 Aug 2023

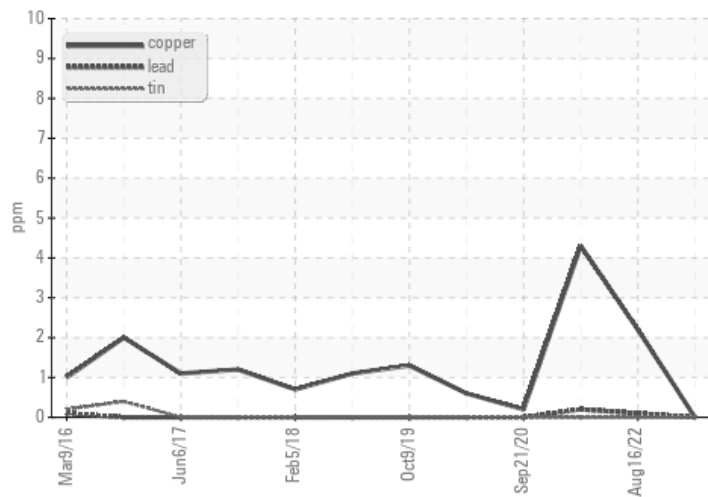


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

