

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 046708-1332 - Splitter Box

Sample No: LH0236315

Oil Type: GEAR OIL SAE 85W90



SAMPLE INFORMATION

Sample Number	LH0236315	LH0243721	LH0245008	LH0207740
Sample Date	09 Feb 2024	29 Sep 2023	09 Feb 2023	23 Nov 2021
Machine Hours	10214	9547	9080	7922
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	97.3	103	138	150



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<1	<1	1	0
Sodium	ppm	0	2	3	<1
Potassium	ppm	<1	0	<1	0

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	10	17	18	8
Copper	ppm	1	1	14	1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	<1	0	2
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	4	8	2	2
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	3	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

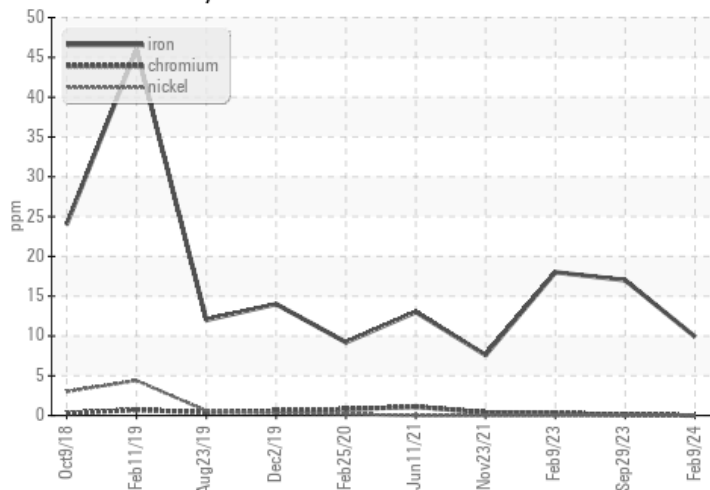
Calcium	ppm	66	111	33	17
Magnesium	ppm	18	33	6	<1
Zinc	ppm	110	101	329	264
Phosphorus	ppm	979	781	1773	2219
Barium	ppm	12	0	1	0
Boron	ppm	5	10	0	3

Depot: LEC007
 Unique No: 10876601
 Signed: Jonathan Hester
 Report Date: 16 Feb 2024

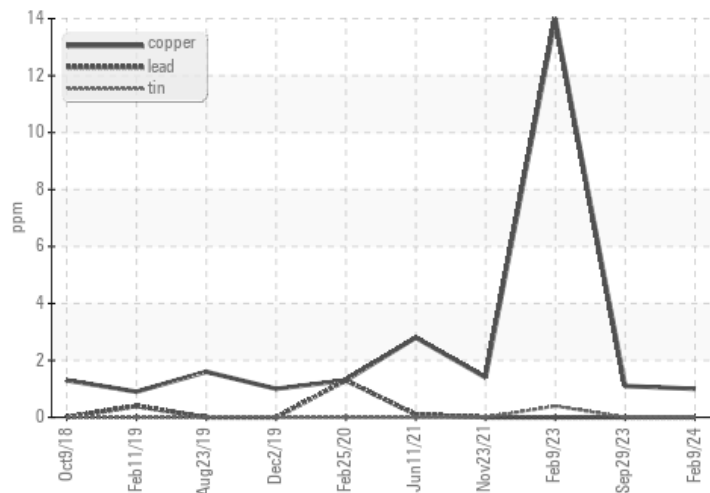


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

