

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30 120113-1253 - Splitter Box

Sample No: LH0272492

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



SAMPLE INFORMATION

Sample Number	LH0272492	LH0220992	LH0217679	LH0200609
Sample Date	29 Dec 2023	28 Nov 2022	18 Apr 2022	28 Feb 2022
Machine Hours	9587	7984	6468	5989
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	122	136	130	137
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<1	2	<1	1
Sodium	ppm	0	2	0	<1
Potassium	ppm	<1	4	2	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	28	148	7	19
Copper	ppm	0	<1	<1	0
Lead	ppm	0	0	<1	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	0	1	0	<1
Molybdenum	ppm	0	<1	1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	4	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

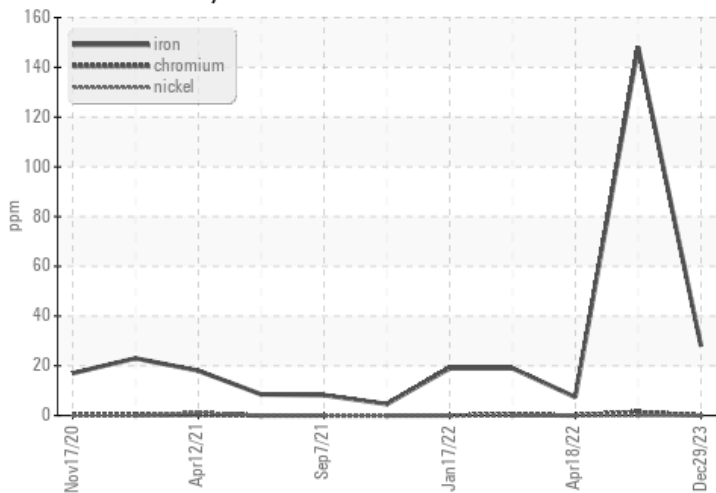
Calcium	ppm	57	54	133	89
Magnesium	ppm	4	9	22	32
Zinc	ppm	39	32	63	27
Phosphorus	ppm	855	644	902	842
Barium	ppm	0	0	0	0
Boron	ppm	2	10	26	22

Depot: LEC0008
 Unique No: 10819155
 Signed: Don Baldrige
 Report Date: 08 Jan 2024

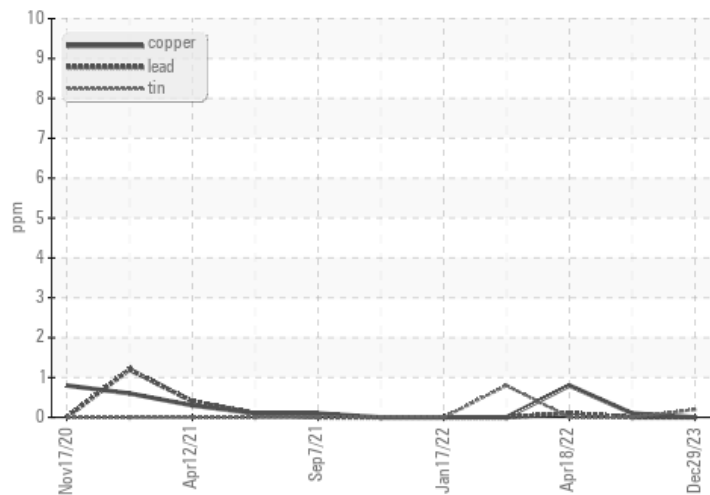


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

