

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 1216-108671- Splitter Box

Sample No: LH0258756

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



SAMPLE INFORMATION

Sample Number	LH0258756	LH0272711	LH0203912	LH0217677
Sample Date	23 Feb 2024	17 Jan 2024	17 Jun 2022	10 May 2022
Machine Hours	20036	19562	14203	13649
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	105	106	114	118
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CONTAMINATION

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

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	14	6	6
Copper	ppm	2	<1	<1	<1
Lead	ppm	0	<1	<1	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	0	0	2	2
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	<1	<1	0
Vanadium	ppm	0	<1	0	0



ADDITIVES

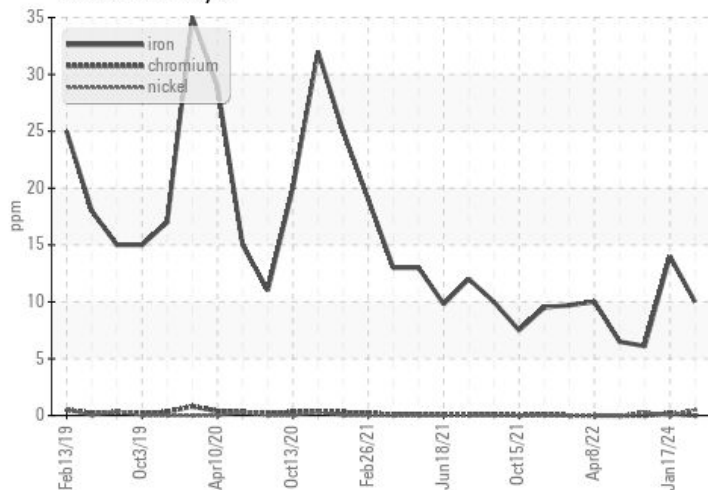
Calcium	ppm	82	101	194	213
Magnesium	ppm	5	3	20	25
Zinc	ppm	73	89	119	121
Phosphorus	ppm	848	826	869	978
Barium	ppm	0	0	0	0
Boron	ppm	0	0	29	28

Depot: LEC0008
 Unique No: 10915840
 Signed: Don Baldrige
 Report Date: 11 Mar 2024

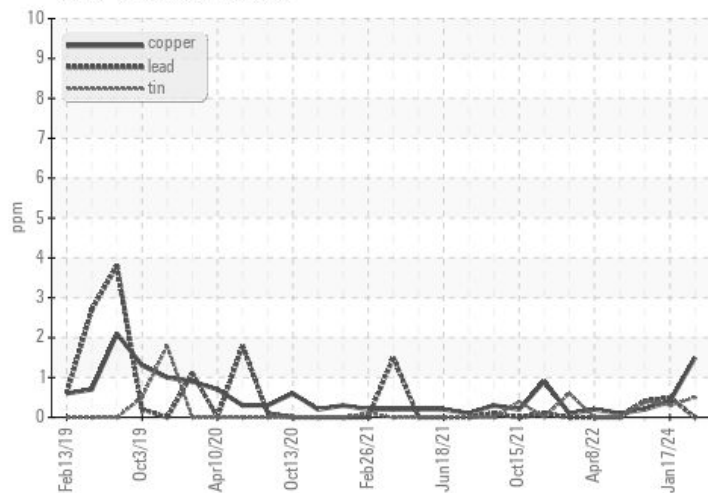


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

