

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30 101514-1253 - Splitter Box

Sample No: LH0272806

Oil Type: GEAR OIL SAE 80W90



SPARTAN RECYCLING
 3071 HOWARD ST
 SPARTANBURG, SC
 US 29303
 Contact: SERVICE MANAGER



SAMPLE INFORMATION

Sample Number	LH0272806	LH0235749	LH0166346	LH0217211
Sample Date	10 Jan 2024	25 Sep 2023	14 Jul 2022	18 Mar 2022
Machine Hours	12010	11543	7420	8554
Oil Hours	0	0	0	500
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	ATTENTION	ATTENTION



OIL CONDITION

Visc @ 40°C	cSt	110	94.3	75.7	79.9
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	12	8	16	7
Sodium	ppm	0	<1	1	0
Potassium	ppm	2	2	0	2

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	46	26	42	25
Copper	ppm	<1	1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	3	3	2
Chromium	ppm	<1	0	<1	0
Molybdenum	ppm	<1	<1	1	1
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

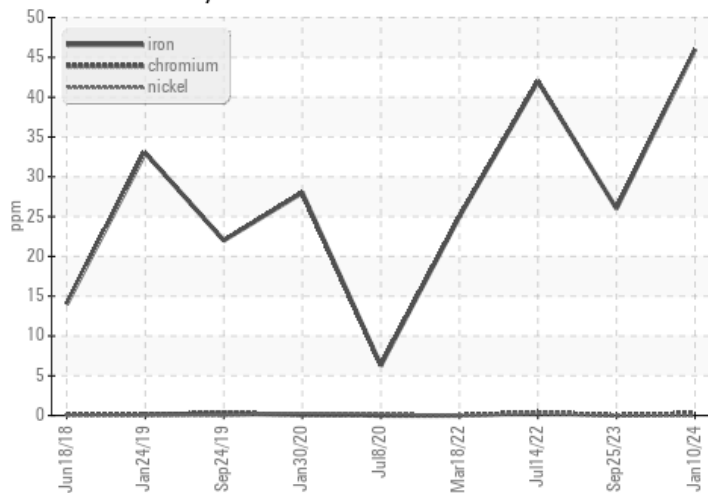
Calcium	ppm	53	53	43	31
Magnesium	ppm	7	8	5	1
Zinc	ppm	0	9	14	4
Phosphorus	ppm	365	282	381	343
Barium	ppm	3	0	0	0
Boron	ppm	0	0	23	14

Depot: SPASPALH
Unique No: 10834564
Signed: Don Baldrige
Report Date: 19 Jan 2024

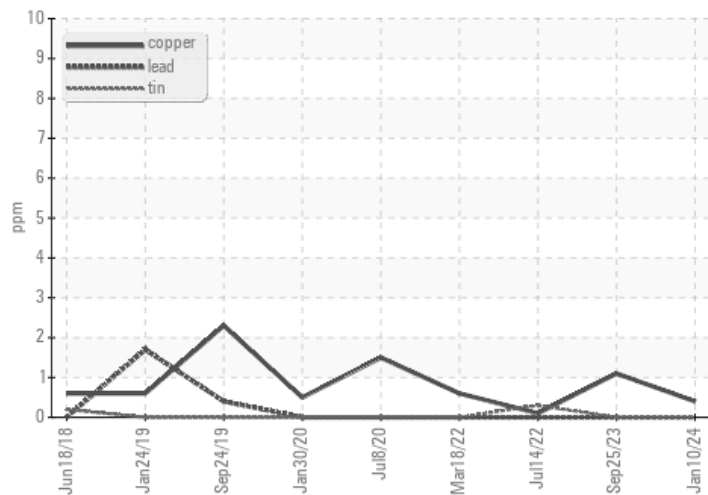


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

