

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30 115841-1253 - Front Right Wheel Hub

Sample No: LH0285576

Oil Type: SUPER S 80W90 LS



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

T:
 F:



Sample Information

Sample Number	LH0285576	LH06063157	LH0235739	LH0207556
Sample Date	20 Jun 2024	11 Jan 2024	28 Sep 2023	22 Mar 2023
Machine Hours	12685	11390	10707	9140
Oil Hours	500	0	0	2000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	145	141	146	101
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	6	10
Sodium	ppm	4	<1	2	2
Potassium	ppm	2	2	4	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	40	39	51	24
Copper	ppm	<1	<1	1	2
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	3	2	2	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	1	1
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	1
Vanadium	ppm	0	0	<1	0



Additives

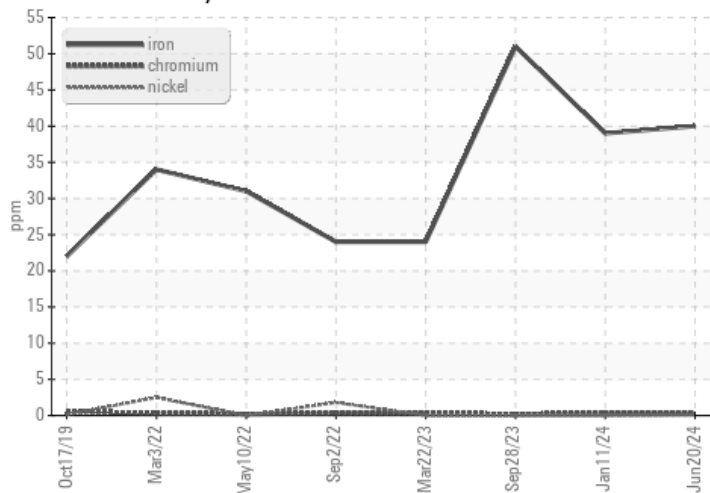
Calcium	ppm	71	177	412	59
Magnesium	ppm	7	12	30	6
Zinc	ppm	25	29	131	18
Phosphorus	ppm	337	476	619	278
Barium	ppm	0	3	0	0
Boron	ppm	<1	<1	0	<1

Depot: SPASPALH
 Unique No: 11100847
 Signed: Wes Davis
 Report Date: 28 Jun 2024

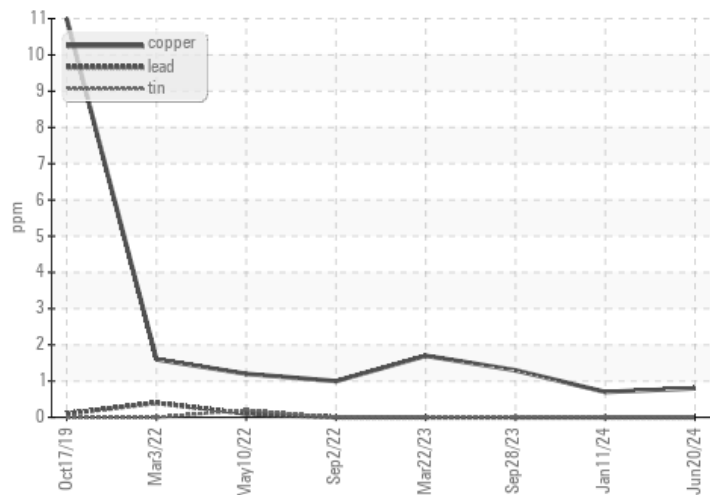


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

