

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30 101514-1253 - Rear Differential

Sample No: LH0285568
 Oil Type: SUPER S 80W90 LS



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



Sample Information

Sample Number	LH0285568	LH0235743	LH0217628	LH0217213
Sample Date	28 Jun 2024	25 Sep 2023	22 Mar 2023	18 Mar 2022
Machine Hours	12588	11543	10552	8554
Oil Hours	1000	0	7000	500
Oil Changed	Not Changd	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	ATTENTION	ATTENTION



Oil Condition

Visc @ 40°C	cSt	126	108	84.1	88.7
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T:
F:



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	7	5
Sodium	ppm	<1	<1	2	0
Potassium	ppm	<1	2	<1	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	116	91	184	122
Copper	ppm	0	1	2	1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	<1	1	2	1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	1	3	1
Vanadium	ppm	0	<1	0	0



Additives

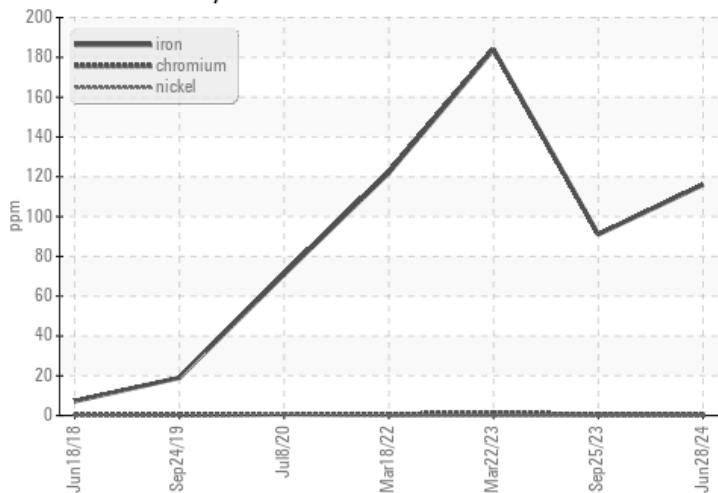
Calcium	ppm	56	56	88	62
Magnesium	ppm	4	7	10	1
Zinc	ppm	21	23	39	23
Phosphorus	ppm	335	288	329	379
Barium	ppm	0	0	0	0
Boron	ppm	2	0	2	5

Depot: SPASPALH
 Unique No: 11111434
 Signed: Wes Davis
 Report Date: 05 Jul 2024

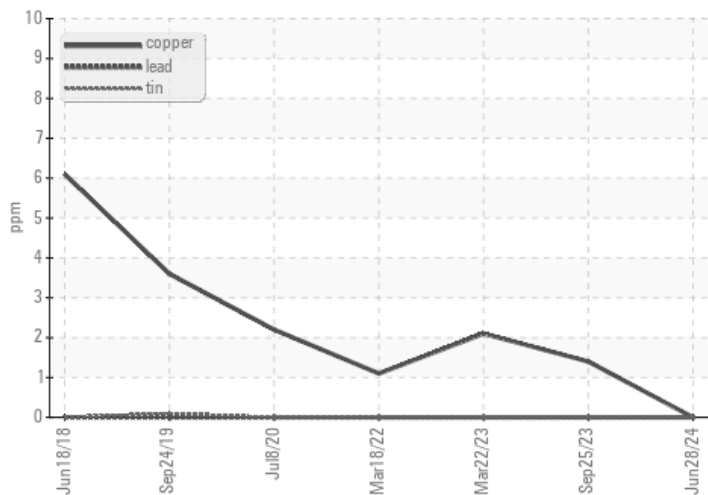


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

