

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R936LC 048600-1490 - Splitter Box

Sample No: LH0288284

Oil Type: LIEBHERR SYNTOGear PLUS 75W-90



Sample Information

Sample Number	LH0288284	LH0186313	LH0177987	LH0162700
Sample Date	15 Apr 2024	11 Jun 2021	27 Oct 2020	31 Jan 2020
Machine Hours	2927	1641	1027	501
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

COLOURED AGGREGATES INC.
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 AURORA, ON
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Oil Condition

Visc @ 40°C	cSt	102	180	192	196
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	4	2	1
Sodium	ppm	2	3	3	4
Potassium	ppm	6	2	4	7



Wear Metals

PQ		0	---	---	---
Iron	ppm	90	20	26	48
Copper	ppm	2	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	16	2	1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	2	<1	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	<1	<1
Manganese	ppm	1	1	2	4
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	15	10	13	8
Magnesium	ppm	2	1	2	2
Zinc	ppm	75	15	23	28
Phosphorus	ppm	1351	2067	1913	1561
Barium	ppm	0	<1	<1	2
Boron	ppm	235	17	3	1

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. An increase in the iron level is noted. An increase in the aluminum level is noted. All other 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.

Depot: COL158AUR
 Unique No: 5762844
 Signed: Kevin Marson
 Report Date: 18 Apr 2024



Graphs

