CONSTRUCTION EQUIPMENT

LIEBHERR L586 058671-1334 - Splitter Box

Sample No: LH0278540

Oil Type: GEAR OIL SAE 80W90

SAMPLE INFORMATION

Sample Number	LH0278540	LH0278557	LH0266011	LH0150832
Sample Date	01 Dec 2023	01 Nov 2023	04 Jun 2023	16 Dec 2022
Machine Hours	7378	7174	6000	5000
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	NORMAL	NORMAL
OIL CONDITION				
Visc @ 40°C cSt	143	0 124	130	0 112
11				

	NTAMIN/	ATION				
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	0 5	0 38	01	02	
Sodium	ppm	○ <1	0 1	2	2	
Potassium	ppm	0	0	◯ <1	◯ <1	

R METALS				
	0 11	7		
ppm	597	0 1202	0 13	22
ppm	5	02	2	0 4
ppm	01	○ <1	01	03
ppm	0	0	0	0
ppm	02	06	◯ <1	○ <1
ppm	04	9	◯ <1	○ <1
ppm	0 🔘	0	◯ <1	○ <1
ppm	01	◯ <1	◯ <1	○ <1
ppm	0	0	0	0
ppm	<1	<1	0	0
ppm	3	0 4	○ <1	○ <1
ppm	0	0	0	0
	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ppm 597 ppm 5 ppm 1 ppm 0 ppm 2 ppm 4 ppm 0 ppm 1 ppm 4 ppm 0 ppm 1 ppm 1 ppm 3	11 7 ppm 597 1202 ppm 5 2 ppm 1 <1	11 7 ppm 597 1202 13 ppm 5 2 2 ppm 1 <1

ADDITIVES Calcium 264 0 20 82 0 132 ppm Magnesium 04 05 04 8 🔘 ppm Zinc ppm 660 0 137 0 130 0 175 0 1888 Phosphorus 0 1876 658 0 1966 ppm Barium 0 ppm 0 🔘 0 0 Boron ppm 01 03 03 0 11





Bird's Hill Gravel and Stone Ltd.

1 Terracon Place Winnipeg, MB CA R2J 4B3 Contact: Joel Malkoske Jmalkoske@glacialagg.ca T: (204)663-0064 F:

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.Iron ppm levels are abnormal. Gear wear is indicated. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot:	BIRV
Unique No:	5696
Signed:	Kevi
Report Date:	15 D

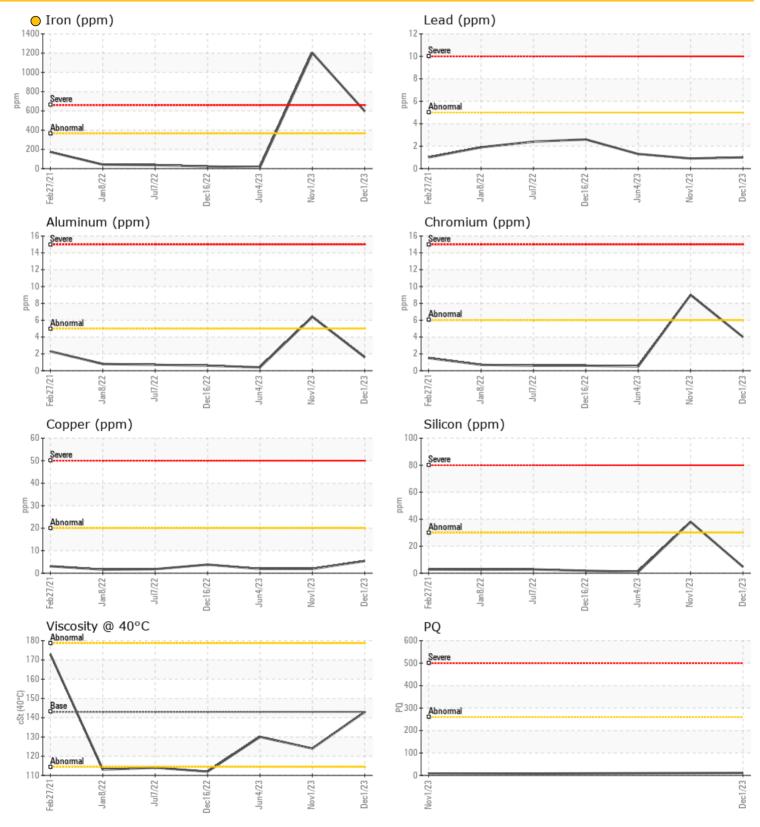
RWIN 96377 evin Marson Dec 2023





GRAPHS

Ø



Report Id: BIRWIN [WCAMIS] 02603292 (Generated: 12/15/2023 15:03:12) Rev: 1