

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 068244 - Splitter Box

Sample No: LH0265764

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



#### SAMPLE INFORMATION

Sample Number	LH0265764	LH0234435	LH0250036	LH0150850
Sample Date	21 Aug 2023	09 Jun 2023	28 May 2023	30 Mar 2023
Machine Hours	5330	4612	4345	3398
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**Gerdau - Mandak Metal Processors Ltd.,**  
 1 Railway St., P.O. Box 334  
 Selkirk, MB  
 CA R1A 2B3  
 Contact: Santiago Giraldo  
 santiago.giraldo@gerdau.com  
 T:  
 F: (204)482-8241



#### OIL CONDITION

Visc @ 40°C	cSt	116	146	142	118
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#### CONTAMINATION

Silicon	ppm	2	2	6	27
Sodium	ppm	2	2	2	2
Potassium	ppm	<1	<1	<1	1



#### WEAR METALS

Iron	ppm	9	8	17	27
Copper	ppm	3	1	<1	1
Lead	ppm	<1	<1	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	96	86	99	24
Magnesium	ppm	5	2	3	3
Zinc	ppm	191	106	109	25
Phosphorus	ppm	1878	2159	2175	1766
Barium	ppm	0	0	0	<1
Boron	ppm	2	6	30	178

#### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: MANSEL  
 Unique No: 5643664  
 Signed: Wes Davis  
 Report Date: 14 Sep 2023



### GRAPHS

