

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60C106512-1528 - Splitter Box

Sample No: LH0234438

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	LH0234438	LH0250042	LH	LH0234359
Sample Date	12 Jun 2023	28 May 2023	09 Nov 2022	15 Sep 2022
Machine Hours	19187	18758	16500	15955
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**Gerdau - Mandak Metal Processors Ltd.,**  
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#### OIL CONDITION

Visc @ 40°C	cSt	90.2	94.1	140	80.5
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#### CONTAMINATION

Silicon	ppm	2	3	6	19
Sodium	ppm	2	2	2	<1
Potassium	ppm	2	<1	<1	<1



#### WEAR METALS

Iron	ppm	15	14	21	13
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	<1	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	1	<1
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	34	32	15	32
Magnesium	ppm	2	2	2	2
Zinc	ppm	259	230	53	203
Phosphorus	ppm	1065	1108	1304	1161
Barium	ppm	0	0	0	0
Boron	ppm	101	107	87	229

#### 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: 5606497  
 Signed: Kevin Marson  
 Report Date: 12 Jul 2023



### GRAPHS

