

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60C106512-1528 - Swing Drive

Sample No: LH0234439

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



#### SAMPLE INFORMATION

Sample Number	LH0234439	LH0150843	LH	LH0234358
Sample Date	12 Jun 2023	06 Mar 2023	09 Nov 2022	15 Sep 2022
Machine Hours	19187	17907	0	15955
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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

Visc @ 40°C	cSt	103	103	101	102
Visc @ 100°C	cSt	---	---	---	15.9
Viscosity Index (VI)	Scale	---	---	---	166



#### CONTAMINATION

Silicon	ppm	2	<1	2	4
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	<1	0	<1	<1



#### WEAR METALS

PQ		---	---	---	0
Iron	ppm	191	136	331	1014
Copper	ppm	26	16	27	98
Lead	ppm	<1	<1	<1	2
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	2	2	4	11
Molybdenum	ppm	<1	<1	<1	1
Nickel	ppm	<1	<1	<1	2
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	1	<1	2	7
Vanadium	ppm	0	0	0	<1



#### ADDITIVES

Calcium	ppm	9	8	8	9
Magnesium	ppm	2	2	1	3
Zinc	ppm	10	11	13	16
Phosphorus	ppm	1240	1325	1281	1237
Barium	ppm	0	0	0	0
Boron	ppm	285	303	297	203

#### 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.

Depot: MANSEL  
 Unique No: 5606495  
 Signed: Wes Davis  
 Report Date: 12 Jul 2023

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### GRAPHS

