

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60C106512-1528 - Swing Drive

Sample No: LH

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



Gerdau - Mandak Metal Processors Ltd.,
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 Selkirk, MB
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SAMPLE INFORMATION

Sample Number	LH	LH0234439	LH0150843	LH
Sample Date	23 Aug 2023	12 Jun 2023	06 Mar 2023	09 Nov 2022
Machine Hours	0	19187	17907	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	148	103	103	101
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CONTAMINATION

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



WEAR METALS

Iron	ppm	558	191	136	331
Copper	ppm	37	26	16	27
Lead	ppm	2	<1	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	6	2	2	4
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	13	9	8	8
Magnesium	ppm	1	2	2	1
Zinc	ppm	11	10	11	13
Phosphorus	ppm	1798	1240	1325	1281
Barium	ppm	0	0	0	0
Boron	ppm	36	285	303	297

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: 5643661
 Signed: Wes Davis
 Report Date: 14 Sep 2023

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GRAPHS

