

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(336347)] LIEBHERR LH30C126039-1526 - Splitter Box

Sample No: LH0188348

Oil Type: 49 NORTH SS 75W90



#### SAMPLE INFORMATION

Sample Number	LH0188348	LH0188339	LH0188330	LH0188321
Sample Date	24 Nov 2023	25 May 2023	14 Oct 2022	08 Apr 2022
Machine Hours	500	1000	4000	1000
Oil Hours	0	0	1000	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

**National Salvage Ltd.**  
 206-33 Street N  
 Lethbridge, AB  
 CA T1H 3Z5  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	29.9	85.3	90.9	96.5
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	4	2	4
Sodium	ppm	2	<1	1	1
Potassium	ppm	0	1	1	2

#### Diagnosis

Due to this condition we recommend the following action... We advise an early resample to confirm this situation. NOTE: The current sample results do not match this units historical trend, indicating the sample may not be from this component/unit. Iron ppm levels are noted. All other component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 10W range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported.



#### WEAR METALS

Iron	ppm	63	15	9	14
Copper	ppm	4	<1	<1	<1
Lead	ppm	1	0	0	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	1	<1	<1
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	532	41	27	13
Magnesium	ppm	8	1	<1	<1
Zinc	ppm	518	40	24	17
Phosphorus	ppm	438	1074	1027	1162
Barium	ppm	<1	0	0	0
Boron	ppm	1	164	101	103

Depot: NATLET  
 Unique No: 5684838  
 Signed: Kevin Marson  
 Report Date: 01 Dec 2023

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### GRAPHS

