

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 046356-1334 - Splitter Box

Sample No: LH0277396

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	LH0277396	LH0250224	LH0238576	LH0230517
Sample Date	04 Jan 2024	01 Feb 2023	17 Sep 2022	10 May 2022
Machine Hours	4931	12310	11615	10602
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

**MODERN CONSTRUCTION (1983) LTD.**  
 364 BRIGGS CROSS ROAD  
 STILESVILLE, NB  
 CA E1G 3G3  
 Contact: Blaine Cail  
 blaine.cail@moderngroup.ca  
 T:  
 F:



#### OIL CONDITION

Visc @ 40°C	cSt	46.2	96.0	86.4	78.6



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	12	8	19
Sodium	ppm	10	<1	2	2
Potassium	ppm	5	<1	1	2



#### WEAR METALS

Iron	ppm	130	15	23	93
Copper	ppm	2	<1	<1	2
Lead	ppm	1	0	<1	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	2	1	3	6
Chromium	ppm	4	0	<1	1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	<1	2
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	14	18	72	73
Magnesium	ppm	2	2	4	5
Zinc	ppm	76	30	129	219
Phosphorus	ppm	424	1336	1226	1237
Barium	ppm	<1	0	0	0
Boron	ppm	5	318	255	196

#### 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. Viscosity of sample indicates oil is within ISO 46 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Depot: MODSTI  
 Unique No: 5708314  
 Signed: Kevin Marson  
 Report Date: 09 Jan 2024



### GRAPHS

