

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 058216-1334 - Transmission (Manual)

Sample No: LH0269543

Oil Type: PETRO CANADA DURATRAN



#### SAMPLE INFORMATION

Sample Number	LH0269543	LH0238504	LH0224248	LH0195047
Sample Date	19 Jul 2023	27 Aug 2022	21 Mar 2022	08 Nov 2021
Machine Hours	7908	6201	4963	4200
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

**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	34.8	34.5	36.5	34.5
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#### CONTAMINATION

Silicon	ppm	8	10	15	9
Sodium	ppm	2	4	8	12
Potassium	ppm	1	0	<1	3



#### WEAR METALS

Iron	ppm	21	32	24	17
Copper	ppm	1	1	<1	1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	2	2	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	3519	3600	3735	3943
Magnesium	ppm	10	12	20	12
Zinc	ppm	1380	1373	1521	1630
Phosphorus	ppm	1194	1208	1281	1418
Barium	ppm	0	0	0	0
Boron	ppm	102	102	107	121

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the fluid. Viscosity of sample indicates oil is within SAE 70W80 range, advise investigate. The condition of the fluid is acceptable for the time in service.

Depot: MODSTI  
 Unique No: 5619612  
 Signed: Kevin Marson  
 Report Date: 08 Aug 2023



### GRAPHS

