

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30 144578-1253 - Transmission (Manual)

Sample No: LH0278715

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### Sample Information

Sample Number	LH0278715	LH0278617	LH0250056	---
Sample Date	05 Apr 2024	16 Jan 2024	22 Mar 2023	---
Machine Hours	1300	1200	498	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

#### Industrial Metals

550 Messier St.  
Winnipeg, MB  
CA R2J 0G5  
Contact: Service Manager



#### Oil Condition

Visc @ 40°C	cSt	53.3	53.3	46.7	---
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T:  
F:



#### Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	2	5	4	---
Sodium	ppm	31	32	49	---
Potassium	ppm	3	3	3	---

#### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL, however, a fluid match indicates that this fluid is SAE 20 Transmission/Drive Train Oil. Please confirm the fluid type and grade on your next sample. All component wear rates are normal. There is no indication of any contamination in the fluid. The fluid viscosity is higher than typical. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the fluid is acceptable for the time in service.



#### Wear Metals

Iron	ppm	21	30	16	---
Copper	ppm	27	28	17	---
Lead	ppm	<1	1	1	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	2	4	3	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	0	<1	1	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	10	16	20	---
Vanadium	ppm	0	0	<1	---



#### Additives

Calcium	ppm	2921	2945	3379	---
Magnesium	ppm	9	10	10	---
Zinc	ppm	1113	1119	1143	---
Phosphorus	ppm	1007	1060	1144	---
Barium	ppm	<1	<1	<1	---
Boron	ppm	33	33	4	---

Depot: IND550WIN  
Unique No: 5763803  
Signed: Kevin Marson  
Report Date: 22 Apr 2024



### Graphs

