

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 145273-1253 - Transmission (Manual)

Sample No: LH

Oil Type: PETRO CANADA DURON SHP 10W30



#### SAMPLE INFORMATION

Sample Number	LH	---	---	---
Sample Date	20 Dec 2023	---	---	---
Machine Hours	500	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

#### METALEX RECYCLAGE

1646 ROUTE 169  
SAINT-FELICIEN, QC  
CA G8K 3A2  
Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	45.5	---	---	---
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T:  
F:



#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	61	---	---	---
Potassium	ppm	4	---	---	---

#### 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 DURON SHP 10W30, however, a fluid match indicates that this fluid is SAE 10W 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. 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. The condition of the fluid is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	21	---	---	---
Copper	ppm	27	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	22	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	3171	---	---	---
Magnesium	ppm	10	---	---	---
Zinc	ppm	1092	---	---	---
Phosphorus	ppm	1031	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	5	---	---	---

Depot: MET164SAI  
Unique No: 5698434  
Signed: Kevin Marson  
Report Date: 27 Dec 2023



### GRAPHS

