

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR 049819 - Transmission (Manual)

Sample No: LH0270357

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH0270357	LH0251891	---	---
Sample Date	31 Jul 2023	19 Jan 2023	---	---
Machine Hours	10944	10083	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

MONAGHAN MUSHROOMS LTD
 7345 GUELPH LINE
 CAMPBELLVILLE, ON
 CA L0P 1B0
 Contact: Steven Cargill
 s.cargill@monaghan-mushrooms.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	● 42.3	● 45.2	---	---
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CONTAMINATION

Silicon	ppm	● 8	● 8	---	---
Sodium	ppm	● 3	● 7	---	---
Potassium	ppm	● <1	● 1	---	---



WEAR METALS

Iron	ppm	● 36	● 115	---	---
Copper	ppm	● 1	● 3	---	---
Lead	ppm	● 0	● <1	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 1	● 3	---	---
Chromium	ppm	● 0	● <1	---	---
Molybdenum	ppm	● 3	● 0	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	● 0	● 0	---	---
Manganese	ppm	● <1	● 1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	3214	● 3496	---	---
Magnesium	ppm	57	● 9	---	---
Zinc	ppm	1393	● 1408	---	---
Phosphorus	ppm	1241	● 1239	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	94	92	---	---

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 fluid. Additive levels indicate the addition of a different brand, or type of fluid. The condition of the fluid is acceptable for the time in service.

Depot: MONCAM
 Unique No: 5618828
 Signed: Wes Davis
 Report Date: 02 Aug 2023



GRAPHS

