

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LV20FL1819 (S/N 111105) - Pump Drive

Sample No: LH0273719

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0273719	---	---	---
Sample Date	10 Jul 2024	---	---	---
Machine Hours	1794	---	---	---
Oil Hours	794	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

PETERSON CONTRACTORS INC
 PO BOX A
 REINBECK, IA
 US 50669
 Contact: WADE VANHAVEN
 MBERWALD@PCIUS.COM
 T:
 F:



Oil Condition

Visc @ 40°C	cSt	● 151	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 2	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 1	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



Wear Metals

Iron	ppm	● 16	---	---	---
Copper	ppm	● 5	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



Additives

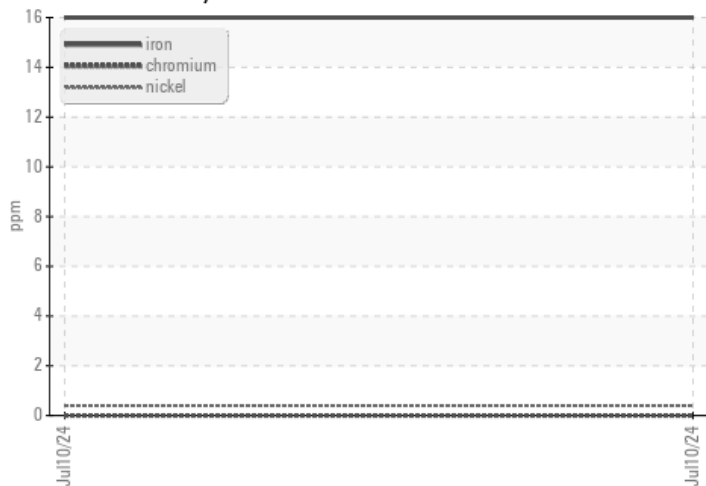
Calcium	ppm	● 55	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 85	---	---	---
Phosphorus	ppm	● 1124	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 0	---	---	---

Depot: PETREILH
Unique No: 11126015
Signed: Don Baldrige
Report Date: 17 Jul 2024

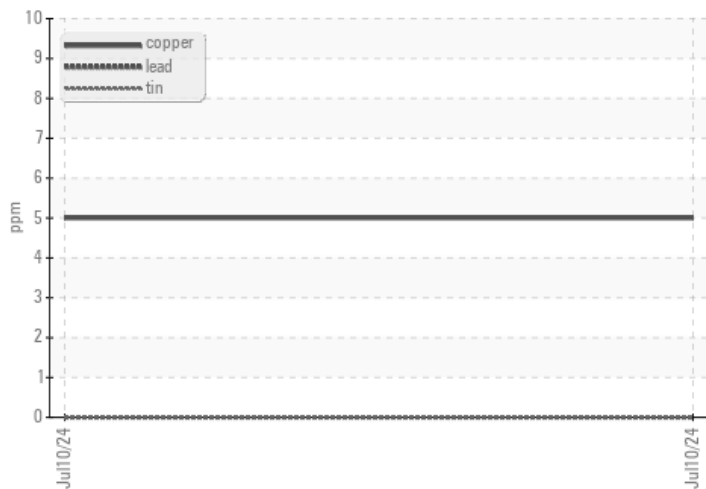


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

