

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 76207 - Splitter Box

Sample No: LH0284805

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0284805	---	---	---
Sample Date	06 Jun 2024	---	---	---
Machine Hours	560	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	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	● 173	---	---	---
Visc @ 100°C	cSt	● 15.9	---	---	---
Viscosity Index (VI)	Scale	● 94	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Nickel ppm levels are abnormal. Component wear metal level(s) high for break in. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● <1	---	---	---
Sodium	ppm	● 8	---	---	---
Potassium	ppm	● 6	---	---	---



Wear Metals

Iron	ppm	● 164	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 4	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 1	---	---	---
Nickel	ppm	● 17	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 4	---	---	---
Vanadium	ppm	● 0	---	---	---



Additives

Calcium	ppm	62	---	---	---
Magnesium	ppm	● 19	---	---	---
Zinc	ppm	● 191	---	---	---
Phosphorus	ppm	● 2106	---	---	---
Barium	ppm	● 13	---	---	---
Boron	ppm	● 1	---	---	---

Depot: MODSTI
Unique No: 5799480
Signed: Kevin Marson
Report Date: 17 Jun 2024



Graphs

