

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R940 056182 - Splitter Box

Sample No: LH0289864

Oil Type: LIEBHERR SYNTOGEAR PLUS 75W-90



Sample Information

Sample Number	LH0289864	LH0279228	---	---
Sample Date	30 Apr 2024	03 Jan 2024	---	---
Machine Hours	1000	571	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
 Contact: Steve Lehto
 steve.lehto@liebherr.com
 T: (905)319-9222
 F: (905)319-6617



Oil Condition

Visc @ 40°C	cSt	● 163	● 188	---	---
-------------	-----	-------	-------	-----	-----



Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● <1	● 2	---	---
Sodium	ppm	● 4	● 2	---	---
Potassium	ppm	● 6	● 7	---	---



Wear Metals

Iron	ppm	● 29	● 44	---	---
Copper	ppm	● 3	● <1	---	---
Lead	ppm	● 0	● <1	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 2	● 3	---	---
Chromium	ppm	● 0	● 0	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 1	● 2	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	49	● 11	---	---
Magnesium	ppm	6	4	---	---
Zinc	ppm	● 62	27	---	---
Phosphorus	ppm	● 1929	● 1720	---	---
Barium	ppm	● <1	● <1	---	---
Boron	ppm	<1	<1	---	---

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

Depot: LIEMIS
 Unique No: 5775542
 Signed: Wes Davis
 Report Date: 09 May 2024



Graphs

