

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 144157-1216 - Splitter Box

Sample No: LH0255455

Oil Type: LIEBHERR SYNTOGEAR PLUS 75W-90



Sample Information

Sample Number	LH0255455	LH0255443	LH0225086	---
Sample Date	21 Jun 2024	17 Nov 2023	15 Feb 2023	---
Machine Hours	3338	2077	472	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

CALGARY METALS (1985) LTD.

3415 OGDEN RD. SE.

CALGARY, AB

CA T2G 4N4

Contact: Steve Goodzeck

sgoodzeck@calgarymetal.com

T: (403)262-4542

F:



Oil Condition

Visc @ 40°C	cSt	112	115	198	---
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Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<1	<1	<1	---
Sodium	ppm	1	2	2	---
Potassium	ppm	2	1	2	---



Wear Metals

Iron	ppm	46	43	25	---
Copper	ppm	<1	<1	<1	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	<1	0	0	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	<1	<1	1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	41	36	8	---
Magnesium	ppm	2	2	2	---
Zinc	ppm	44	36	13	---
Phosphorus	ppm	1316	1386	1659	---
Barium	ppm	<1	<1	0	---
Boron	ppm	173	189	1	---

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 LIEBHERR SYNTOGEAR PLUS 75W-90, however, a fluid match indicates that this fluid is SAE 75W90 Gear Oil. Please confirm the oil type and grade on your next sample. 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: CAL341CAL

Unique No: 5802214

Signed: Kevin Marson

Report Date: 02 Jul 2024



Graphs

