

LIEBHERR

CONSTRUCTION EQUIPMENT



[[587257]] LIEBHERR 110629 VIBRATOR - Vibratory Drum Gearbox

Sample No: LH0274596

Oil Type: LIEBHERR SYNTOGear PLUS 220



SAMPLE INFORMATION

Sample Number	LH0274596	LH0274595	---	---
Sample Date	20 Nov 2023	20 Nov 2023	---	---
Machine Hours	704	704	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

GeoSolv Design/Build
 120 VINYL CT 2ND FLOOR
 WOODBRIDGE, ON
 CA L4L 4A3
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	223	223	---	---
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	3	3	---	---
Sodium	ppm	<1	<1	---	---
Potassium	ppm	<1	0	---	---

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.



WEAR METALS

PQ		---	93	---	---
Iron	ppm	375	372	---	---
Copper	ppm	5	5	---	---
Lead	ppm	2	2	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	4	4	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	1	1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	<1	---	---
Manganese	ppm	4	4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	11	15	---	---
Magnesium	ppm	<1	0	---	---
Zinc	ppm	21	21	---	---
Phosphorus	ppm	301	304	---	---
Barium	ppm	0	0	---	---
Boron	ppm	16	16	---	---

Depot: GEOWOO
Unique No: 5683616
Signed: Kevin Marson
Report Date: 23 Nov 2023



GRAPHS

