

LIEBHERR

CONSTRUCTION EQUIPMENT



144379-1218 - Swing Drive

Sample No: LH0255213

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0255213	LH0255202	---	---
Sample Date	06 Dec 2023	09 Jun 2023	---	---
Machine Hours	2248	1110	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

American Iron and Metal

10305 Metropolitaine Est, Garage porte 13
 Montreal, QC
 CA H1B 1A1
 Contact: Sebastien Liautaud
 sliautaud@aimrecyclinggroup.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	175	174	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	1	1	---	---
Sodium	ppm	4	3	---	---
Potassium	ppm	3	2	---	---

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	262	196	---	---
Copper	ppm	79	48	---	---
Lead	ppm	2	1	---	---
Tin	ppm	12	2	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	2	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	23	20	---	---
Magnesium	ppm	2	2	---	---
Zinc	ppm	32	17	---	---
Phosphorus	ppm	2177	2362	---	---
Barium	ppm	1	1	---	---
Boron	ppm	5	5	---	---

Depot: LACMON
 Unique No: 5695759
 Signed: Wes Davis
 Report Date: 12 Dec 2023



GRAPHS

