

LIEBHERR

CONSTRUCTION EQUIPMENT



[IRON SHORING] 100-038 - Auxiliary Winch

Sample No: LH0239474

Oil Type: LIEBHERR SYNTOGear PLUS 75W-90



RONI/IRON SHORE EXCAVATING LTD.
 100 MACINTOSH BLVD
 VAUGHAN, ON
 CA L4K 4P3
 Contact: Nathan Fernandes
 nfernandes@roni.ca
 T:
 F:



SAMPLE INFORMATION

Sample Number	LH0239474	---	---	---
Sample Date	04 Aug 2022	---	---	---
Machine Hours	498	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	262	---	---	---
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CONTAMINATION

Silicon	ppm	152	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	<1	---	---	---



WEAR METALS

Iron	ppm	40	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	61	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	162	---	---	---
Magnesium	ppm	15	---	---	---
Zinc	ppm	91	---	---	---
Phosphorus	ppm	1123	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	1	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 80W140 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: RONVAU
Unique No: 5436742
Signed: Kevin Marson
Report Date: 08 Aug 2022



GRAPHS

