



OIL ANALYSIS REPORT

WEAR	ABNORMAL
GREASE CONDITION	NORMAL
CONTAMINANTS	NORMAL

Area
CHARLES WALLASCH
 Machine Id
BELL TAH-1P N7239L - HUB (S/N LE-13113Z)
 Component
Grease
 Fluid
{not provided} (--- GAL)

RECOMMENDATION

Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level. Please submit a sample of the new (unused) grease to establish a baseline.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GF0001291	---	---
Sample Date		Client Info		25 May 2023	---	---
TSN	hrs	Client Info		0	---	---
TSO	hrs	Client Info		393	---	---
Grease Age	hrs	Client Info		14	---	---
Grease Serviced		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---

WEAR

The iron level is abnormal.

Iron	ppm	ASTM D5185m	>250	▲ 1383	---	---
Chromium	ppm	ASTM D5185m	>10	9	---	---
Nickel	ppm	ASTM D5185m	>5	9	---	---
Titanium	ppm	ASTM D5185m		28	---	---
Silver	ppm	ASTM D5185m	>5	0	---	---
Aluminum	ppm	ASTM D5185m		4312	---	---
Lead	ppm	ASTM D5185m	>25	11	---	---
Copper	ppm	ASTM D5185m	>75	88	---	---
Tin	ppm	ASTM D5185m	>5	1	---	---
Vanadium	ppm	ASTM D5185m		2	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

GREASE CONDITION

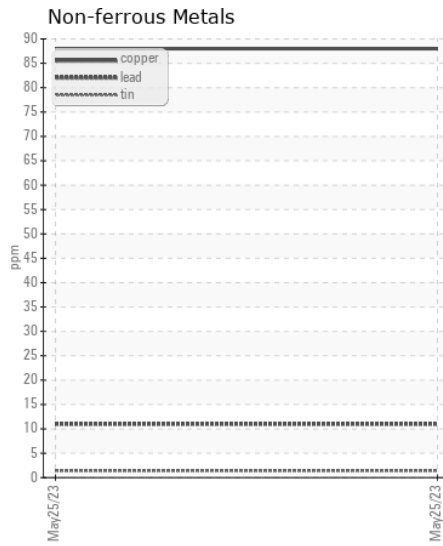
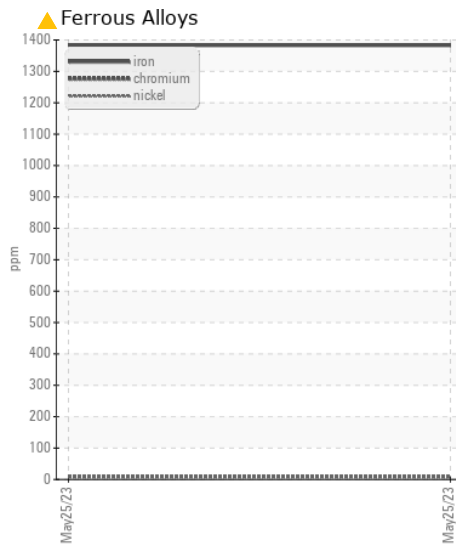
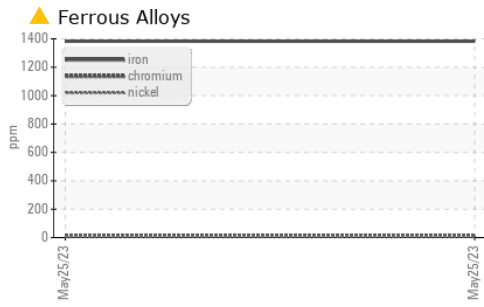
The grease is no longer serviceable as a result of the abnormal and/or severe wear.

Silicon	ppm	ASTM D5185m	>150	10295	---	---
Potassium	ppm	ASTM D5185m	>20	49	---	---
Water		WC Method	>0.1	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---

CONTAMINANTS

There is no indication of any contamination in the grease.

Sodium	ppm	ASTM D5185m		2378	---	---
Boron	ppm	ASTM D5185m		13	---	---
Barium	ppm	ASTM D5185m		1	---	---
Molybdenum	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		5	---	---
Magnesium	ppm	ASTM D5185m		1008	---	---
Calcium	ppm	ASTM D5185m		4137	---	---
Phosphorus	ppm	ASTM D5185m		397	---	---
Zinc	ppm	ASTM D5185m		410	---	---
Sulfur	ppm	ASTM D5185m		319	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GF0001291 **Received** : 31 May 2023
Lab Number : **05861576** **Tested** : 07 Jun 2023
Unique Number : 10496041 **Diagnosed** : 07 Jun 2023 - Doug Bogart
Test Package : AVI 1 (Additional Tests: PQ)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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