



**HERRAMIENTAS LORENZO SALVADOR ESPAÑA S.L.**

**A día 10 de noviembre del 2023**

**Contestación a petición de: Mecánica de Precisión Tejedor S.A**

**Respuesta: Requerimiento punto 3.8 Defecto de material-Ensayos no destructivos de ultrasonidos.**

Respuesta al escrito de observaciones a los certificados de calidad ya presentados.

ACLARACION DE LOS NO CUMPLIMIENTOS INDICADOS EN SUS OBSERVACIONES DEL 19 DE OCTUBRE 2023

1.En primer lugar, lo que dice el requerimiento de ensayos no destructivos (E.N.D).

#### **. DEFECTOS DE MATERIAL**

Las barras serán sometidas al 100% a un E.N.D. por ultrasonidos para garantizar la ausencia de defectos internos y externos.

Se empleará como contraste la señal correspondiente a un defecto patrón de 0,5mm de diámetro.

El ensayo se ejecuta según se indica en **5. 1 .2.**

#### **5.1.2. ENSAYOS NO DESTRUCTIVOS. ULTRASONIDOS**

##### **5.1.2.1. EJECUCIÓN**

Las barras del lote, al 100%, serán sometidas a este ensayo de acuerdo con el requisito del punto **3.8.**

El ensayo será ejecutado por el fabricante siguiendo los métodos de prueba establecidos por el mismo, previo conocimiento y aceptación por parte de Mecánica de Precisión Tejedor, S. A. En particular especificarán lo siguiente:

**• Equipo empleado • Proceso de ejecución • Defecto de patrón • Referencias para aceptación y rechazo**

2.En fecha 10 de octubre de 2023 se les envió el Certificado de fabricante donde se analizan las 100 unidades que han pasado correctamente los controles de E.N.D POR ultrasonidos.

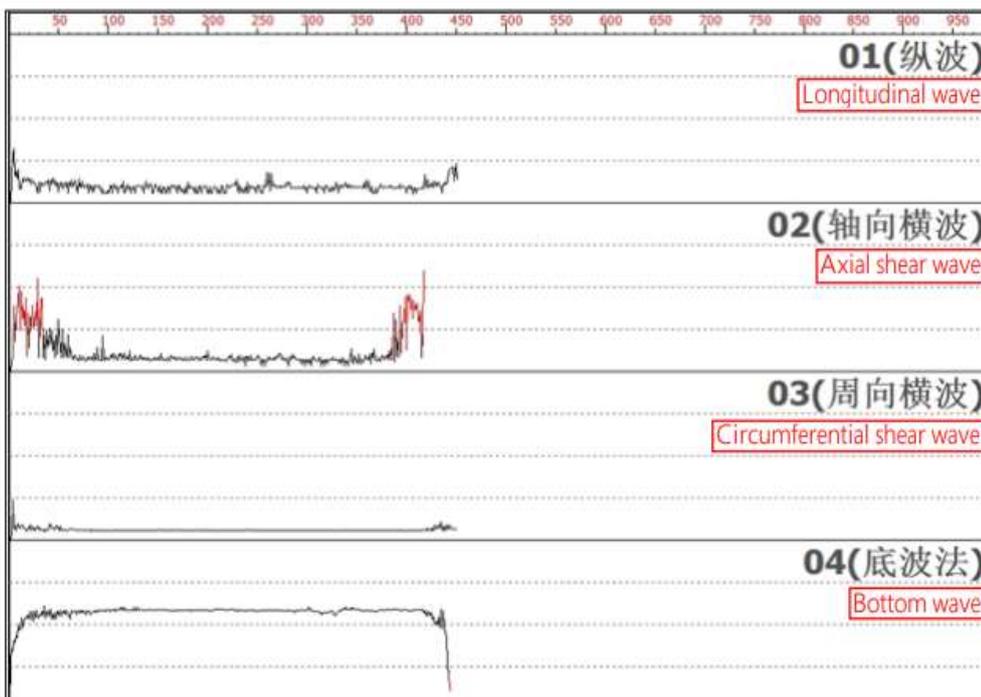
**LES VUELVO ADJUNTAR EL CERTIFICADO DE RESULTADO PRUEBA DE ULTRASONIDOS DE FABRICANTE XIAMEN GOLDEN EGRET ALLOY LTD.**



# Flaw detection report

: J152

Commodity	J2H231WX434001	Lot No.	001	Date	20-Jul-23
Standard	GBT4162-2022				
Equipment model	HSD-UT-4				
Quantity	100 Pcs				
Conclusion	The flaw detection results meet the standard requirements				
Example	flaw detection spectrum				



Issuance

1



3. Las piezas están certificadas por ultrasonidos por la empresa fabricante de los mismos como indican en sus requerimientos, la empresa **MECANICA DE PRECISION TEJEDOR S.A.** indican que no cumple el requisito sin aportar ningún otro dato o certificado de otra empresa certificadora que diga lo contrario.

4. Hemos solicitado al Fabricante **XIAMEN GOLDEN EGERET ALLOY** la pormenorización de los documentos que se pueden aportar para aclarar el soporte que pruebe dicho certificado.

5. El departamento de control de calidad aporta los resultados de las 100 unidades, una por una, la fecha de realización, el método y el número de pieza al que se refiere dicha gráfica.

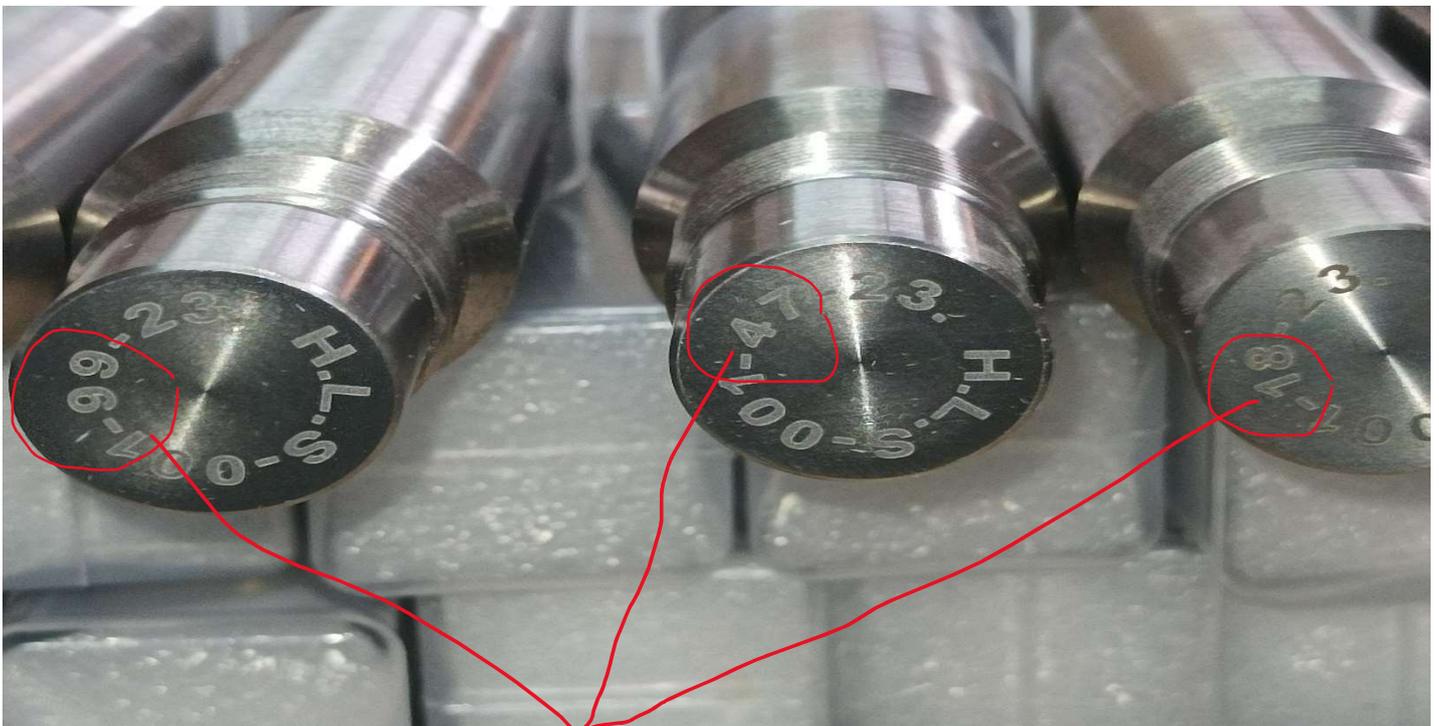
**Lo aportamos como anexo 1.**

6. **Respecto la trazabilidad:** Cada gráfica está asociado a cada pieza individualizada. De esta manera cada pieza se puede comprobar de manera individual. Esto es lo que ya les veníamos explicado en lo que es una

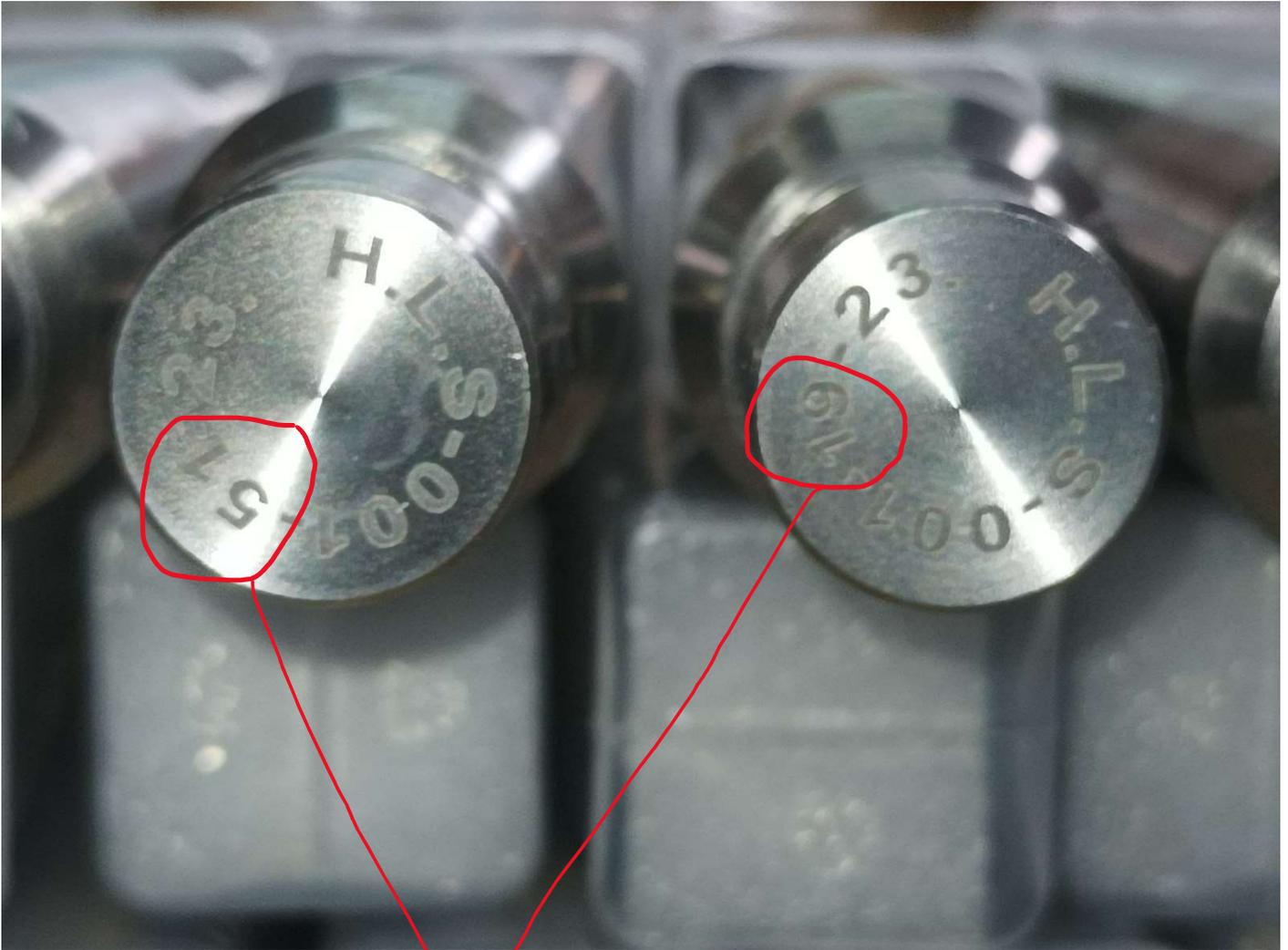
" **trazabilidad correcta**", nunca pidió la empresa **MECANICA DE PRECISION TEJEDOR S.A.** la trazabilidad de las piezas, que **sólo exigía el número de lote**, olvidado totalmente la necesidad básica de individualizar pieza a pieza.

**Nuestro sistema aumenta por 250 veces la trazabilidad que tanto indican que no se cumple.**

**SE LES ADJUNTA LA FOTO DE LAS PIEZAS MARCADAS CON SU NUMERO UNITARIO Y LOTE DE FABRICACION ENVIADO EL CORREO A MECANICA DE PRECISION TEJEDOR S.A EL 21 DE OCTUBRE DEL 2023.**



**PIEZAS NUMERO 99-47 Y 18**



PIEZAS NUMERO 51 Y LA 19

EL 1 DE NOVIEMBRE DEL 2023 SE LES ENVIO POR CORREO A MECANICA DE PRECISION TEJEDOR S.A EL DOCUMENTO DE MARCADO DE LAS PIEZAS.

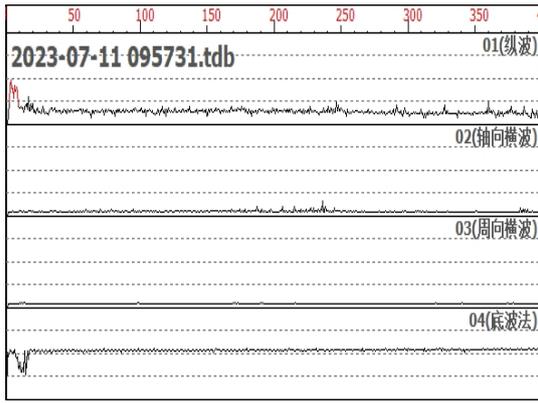
EN LOS ENSAYOS ADJUNTOS VIENEN TODAS LAS PIEZAS DE 1 A 100 CON SU CORRESPONDIENTE ENSAYO PUEDEN ANALIZAR CUALQUIERA DE ELLAS YA QUE ESTAN PERFECTAMENTE IDENTIFICADAS.

PARA CUALQUIER PRUEBA COMO SE LES HA INDICADO ANTERIORMENTE EN LOS CORREOS ANTERIORES PUEDEN ELEGIR CUALQUIER PIEZA PARA SU COMPROBACION.

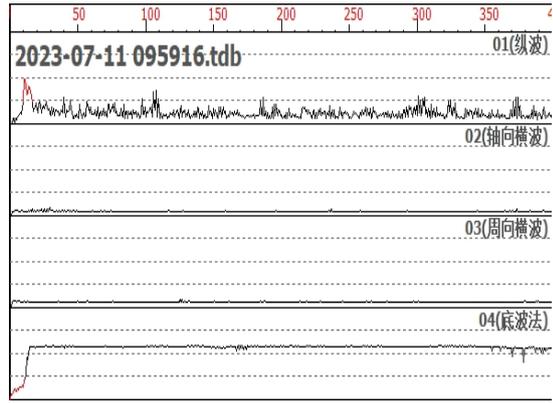
Por lo tanto, esperamos que no se ponga más en duda este requerimiento ni la trazabilidad del proceso.



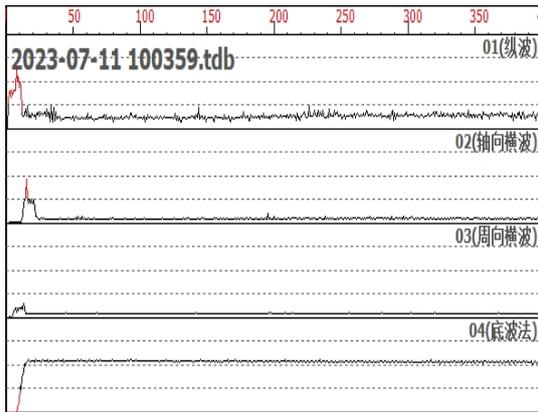
**ANEXO 1**  
**GRAFICAS DE ENSAYO DE ULTRASONIDOS**



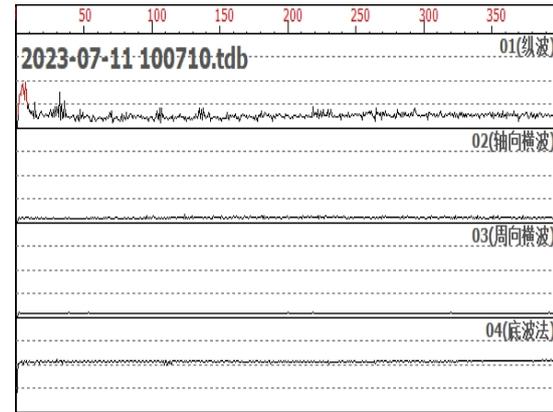
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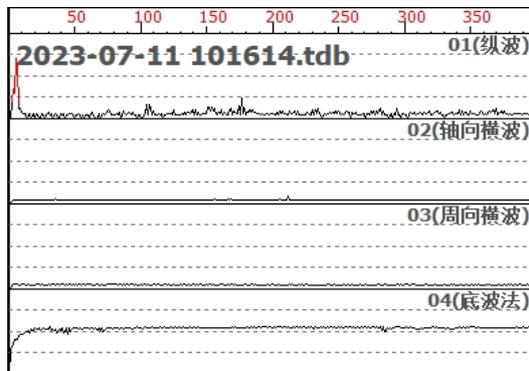
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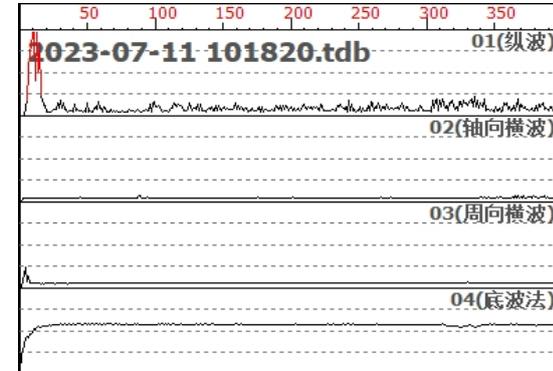
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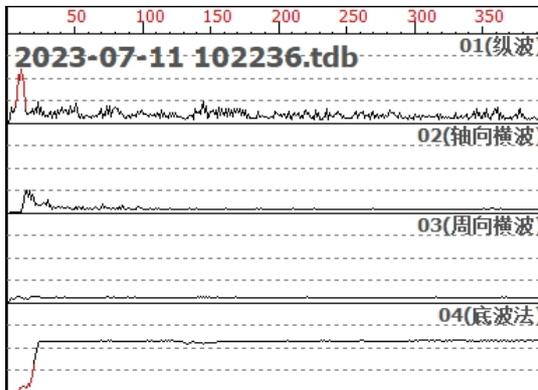
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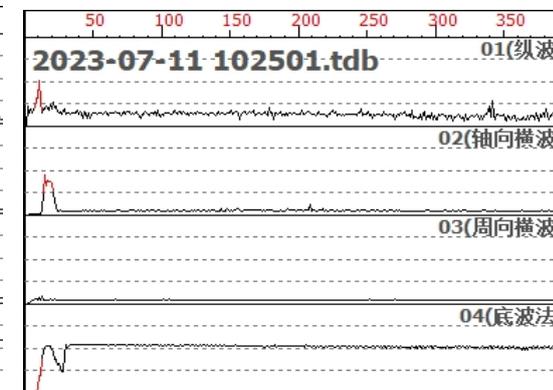
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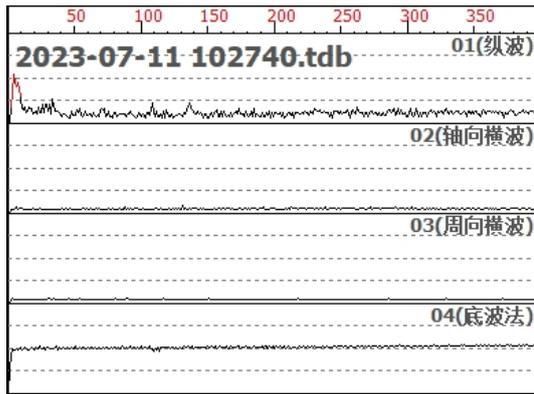
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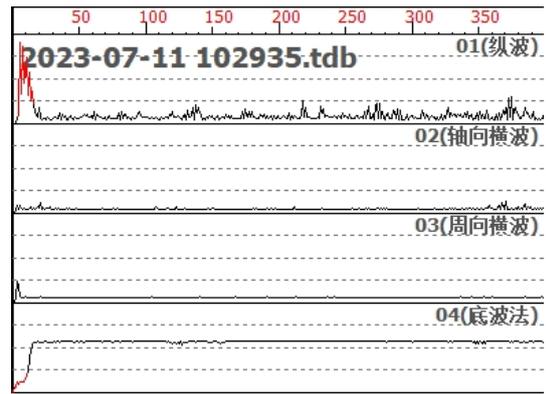
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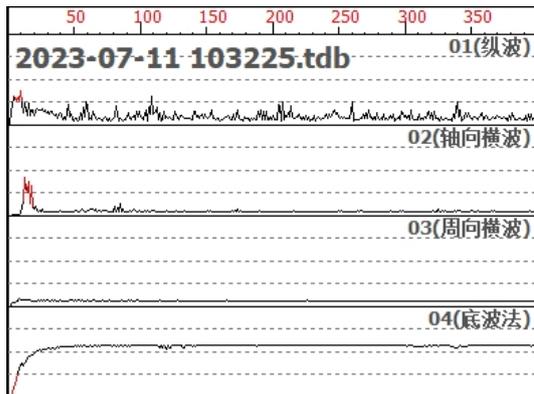
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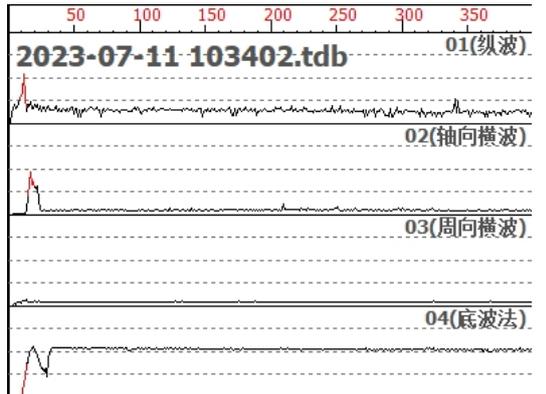
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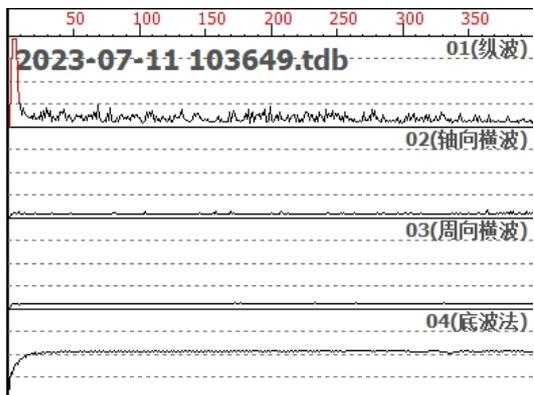
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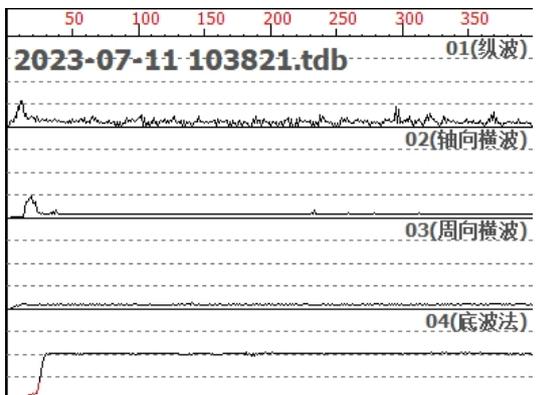
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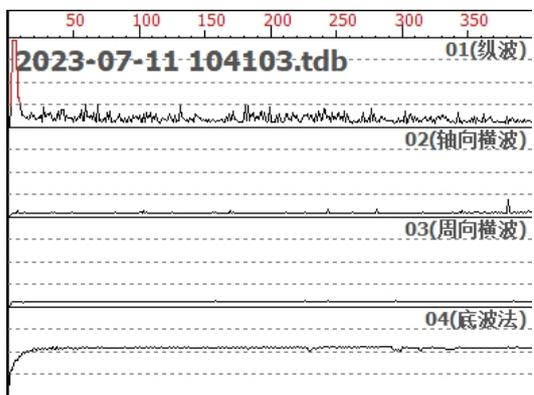
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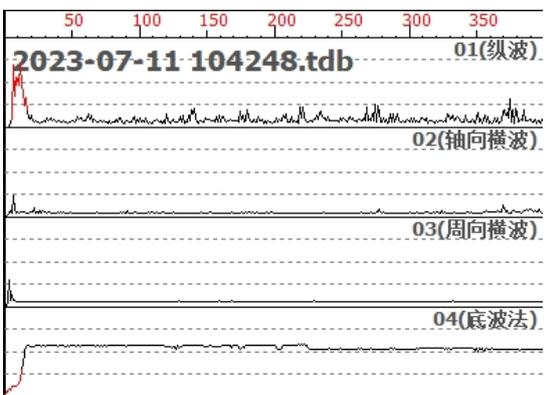
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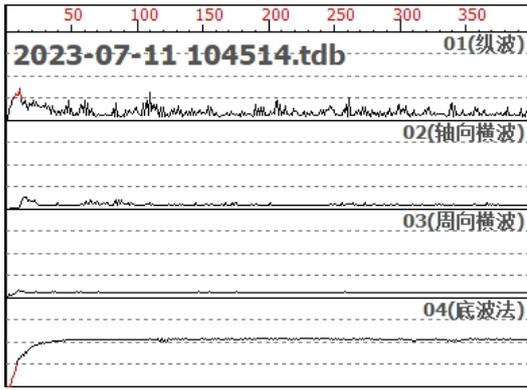
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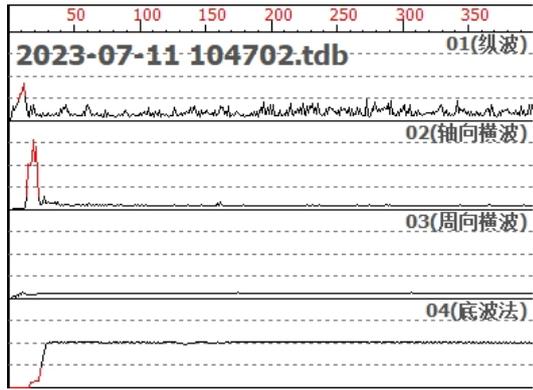
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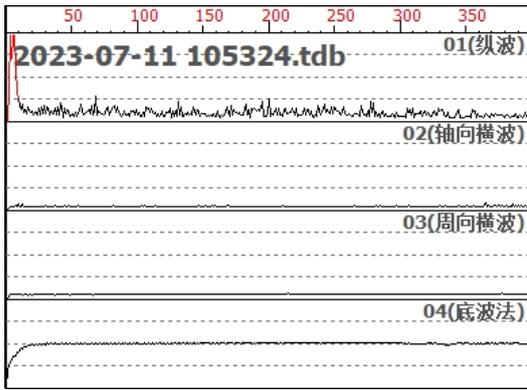
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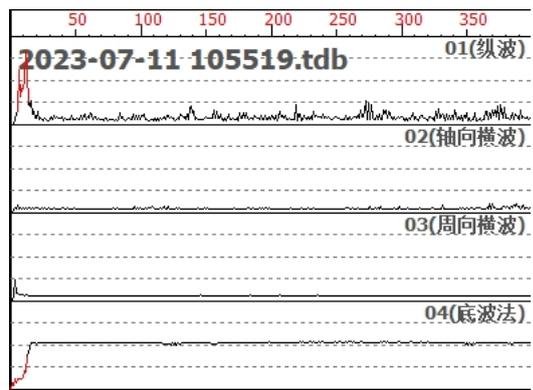
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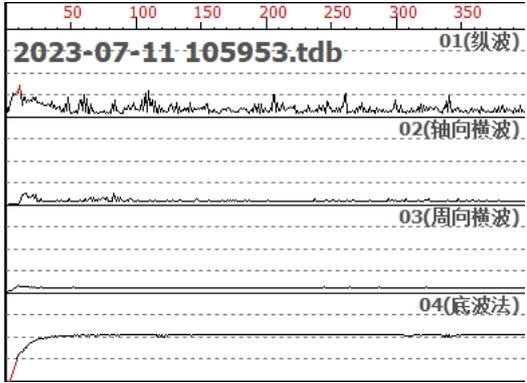
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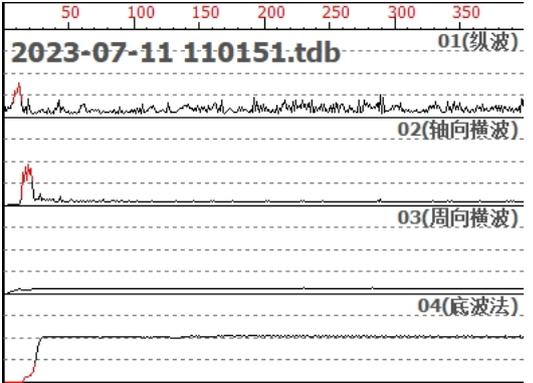
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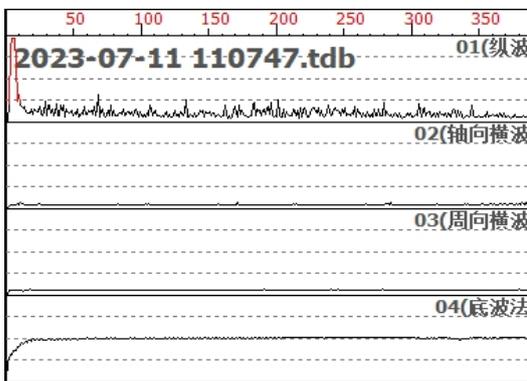
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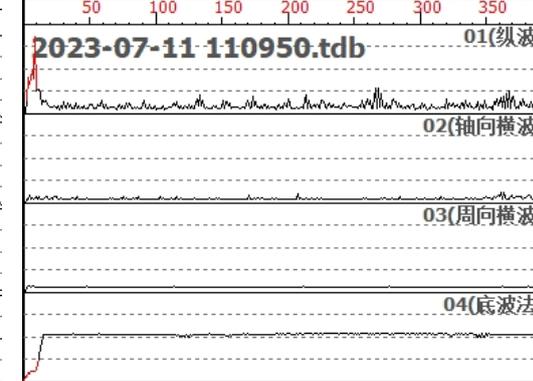
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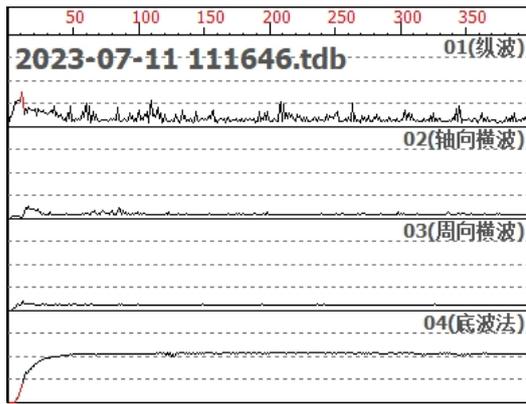
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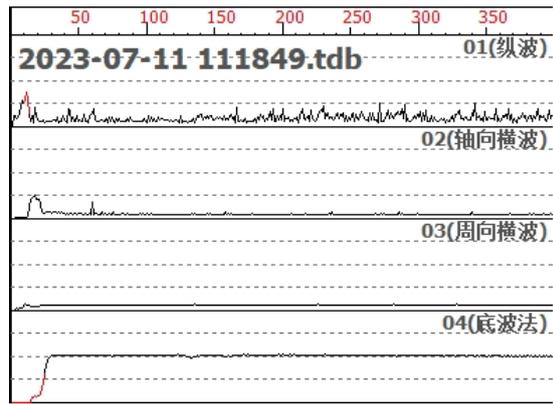
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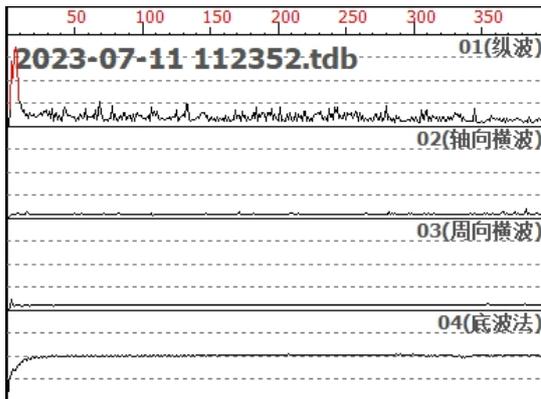
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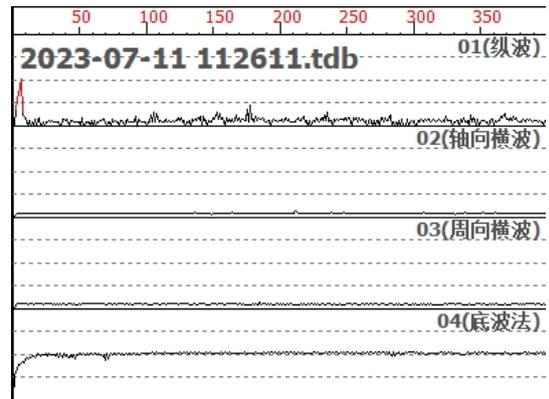
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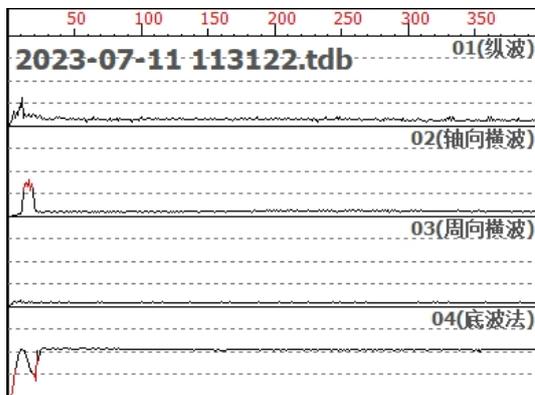
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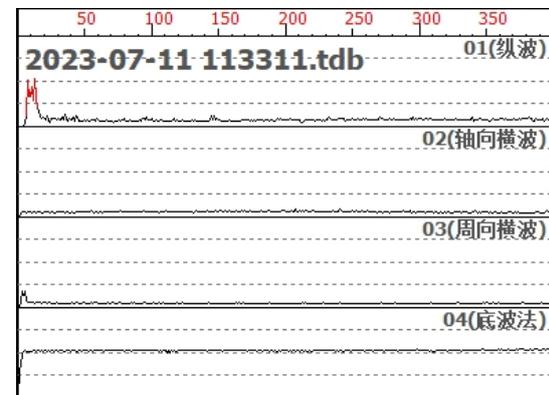
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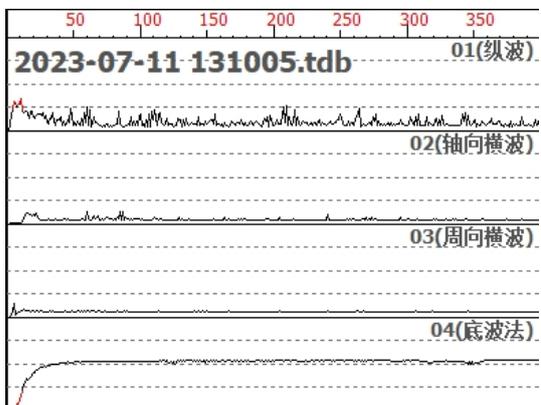
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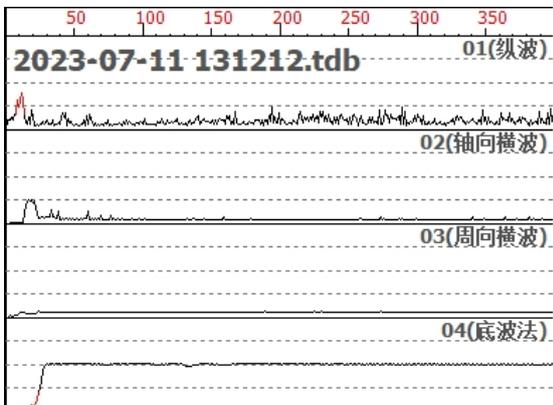
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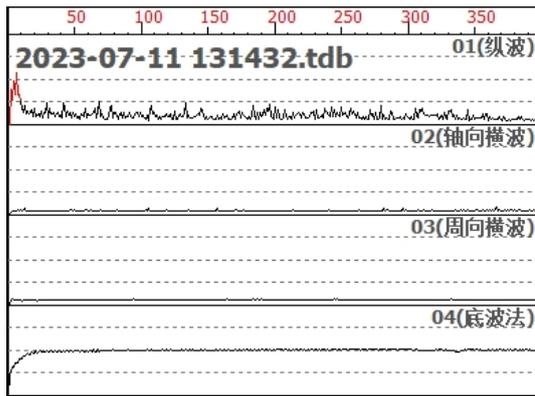
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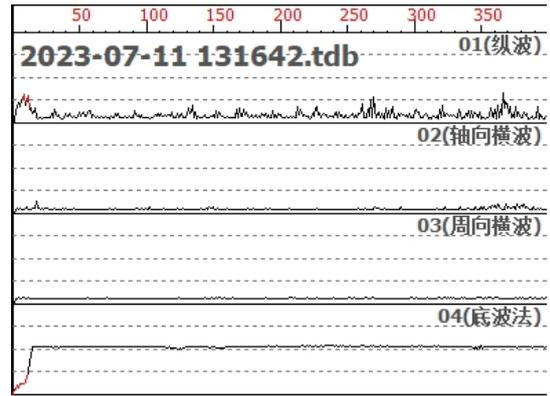
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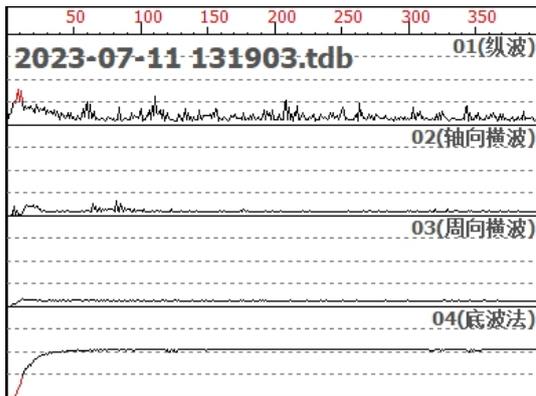
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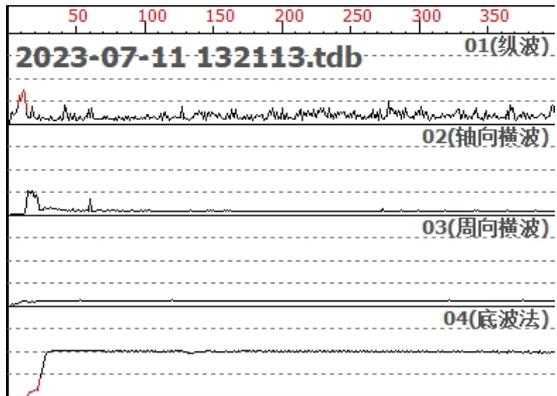
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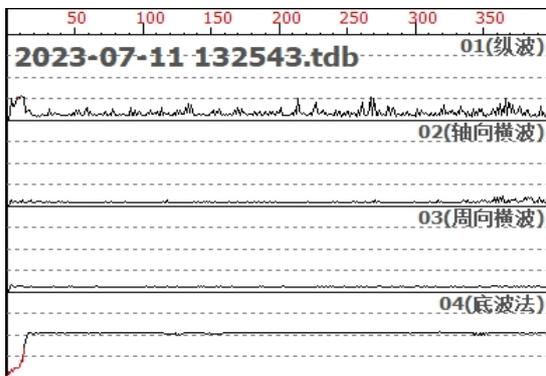
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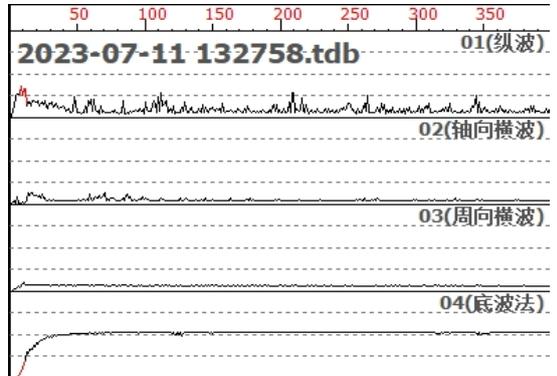
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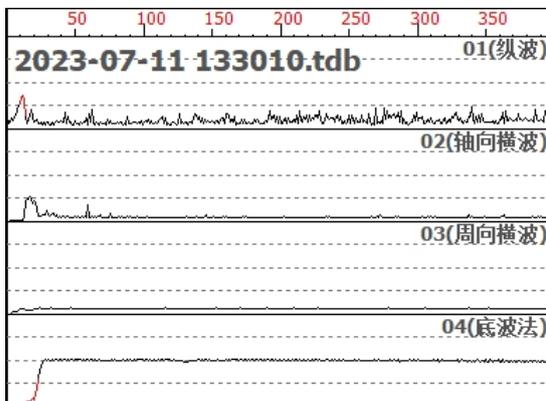
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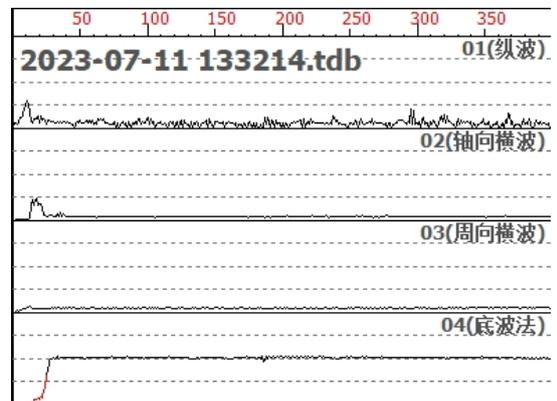
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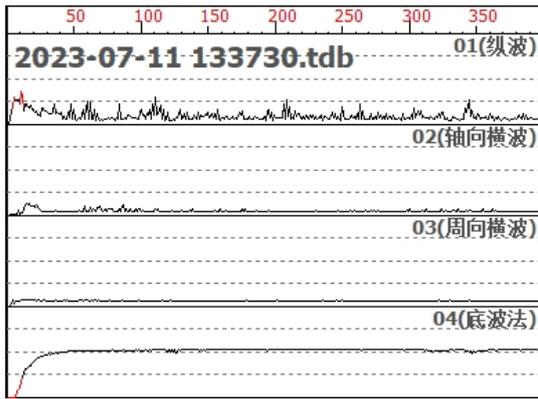
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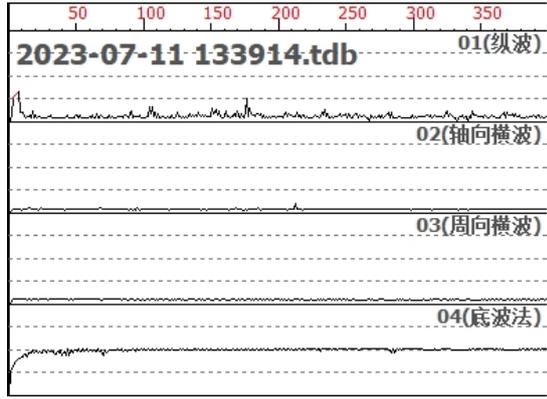
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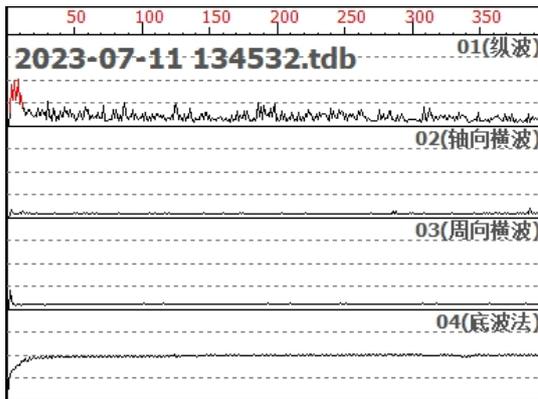
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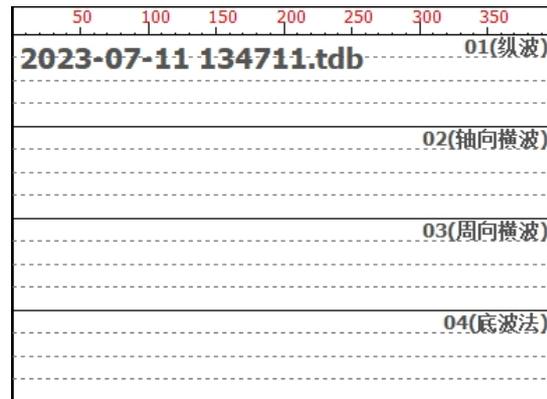
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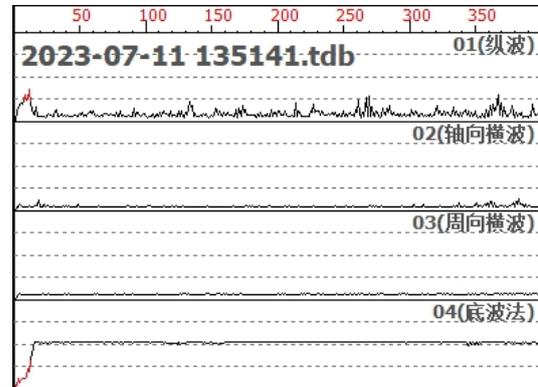
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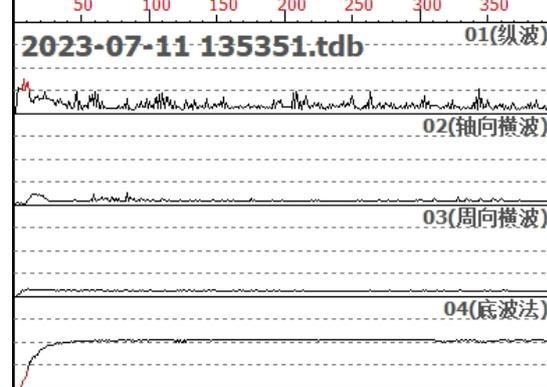
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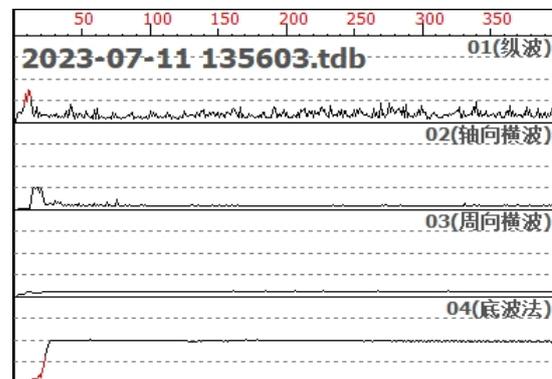
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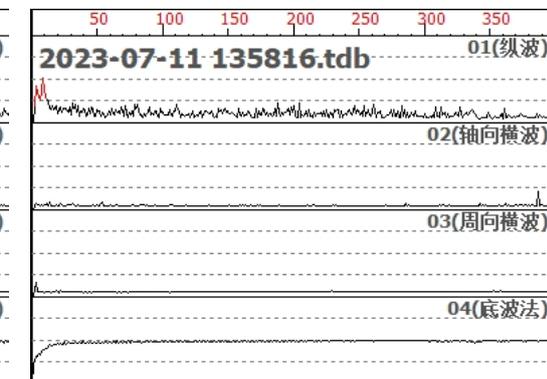
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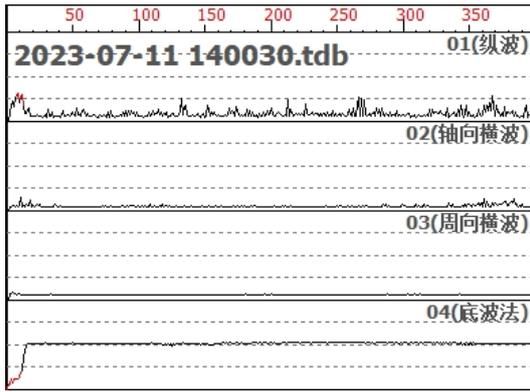
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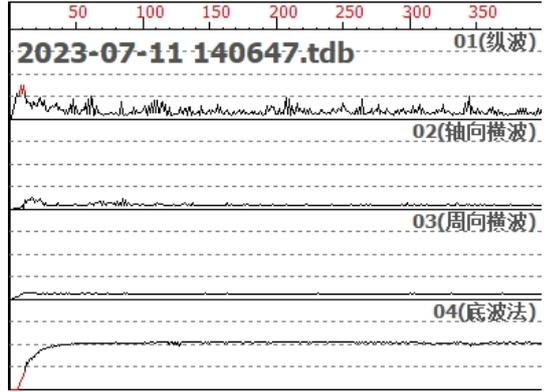
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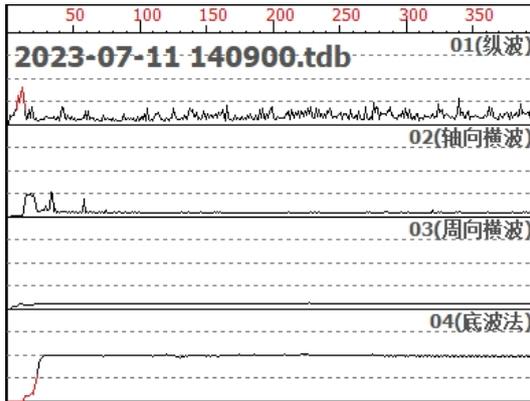
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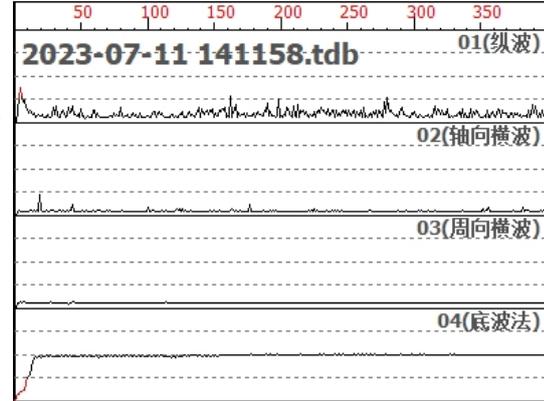
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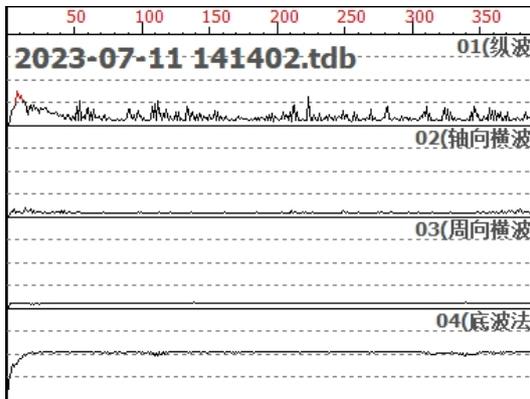
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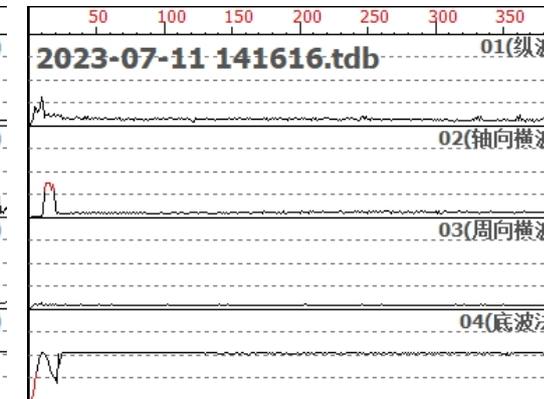
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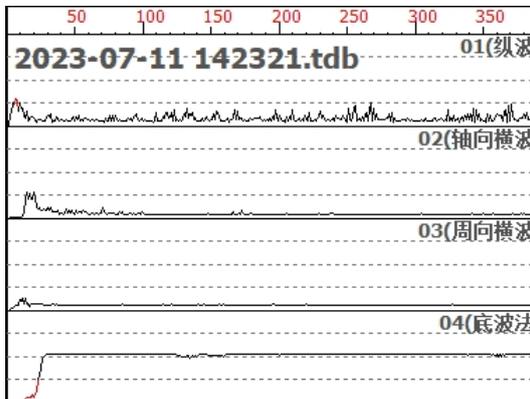
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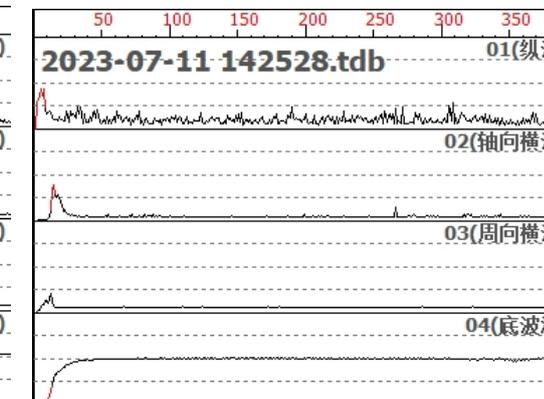
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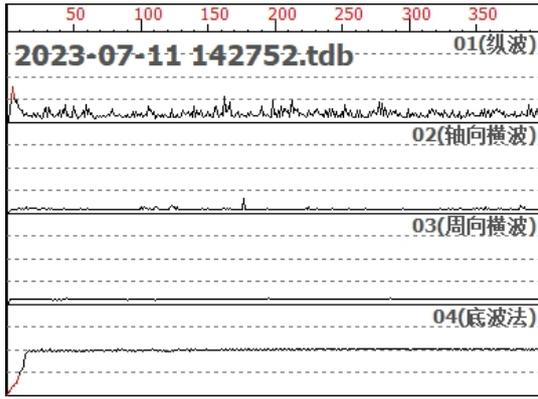
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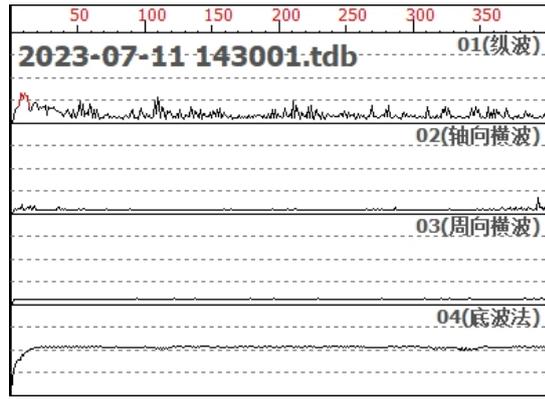
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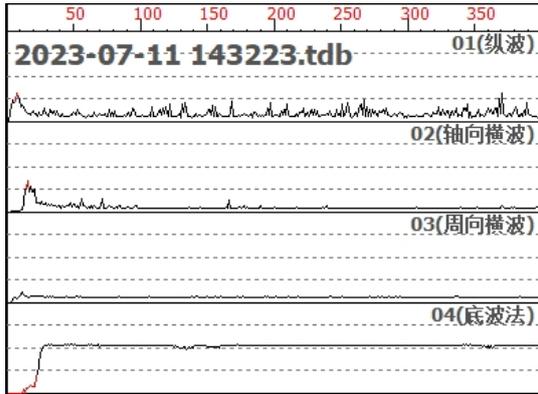
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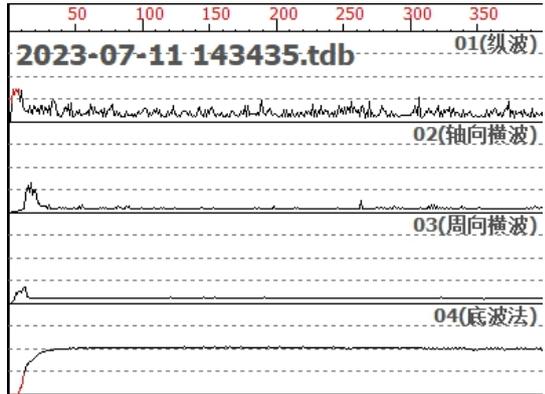
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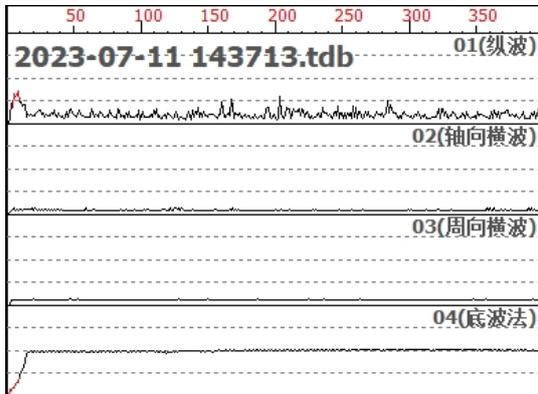
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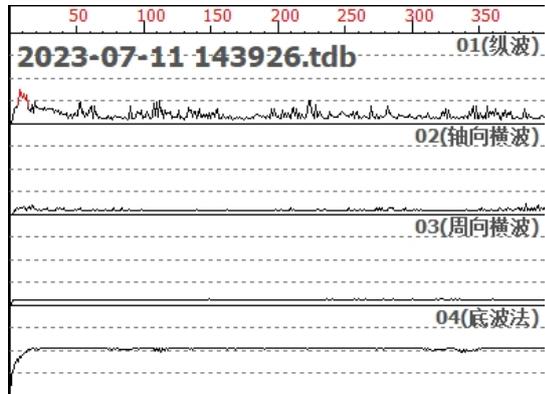
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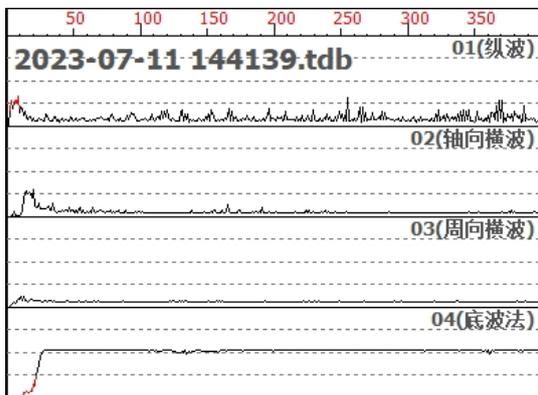
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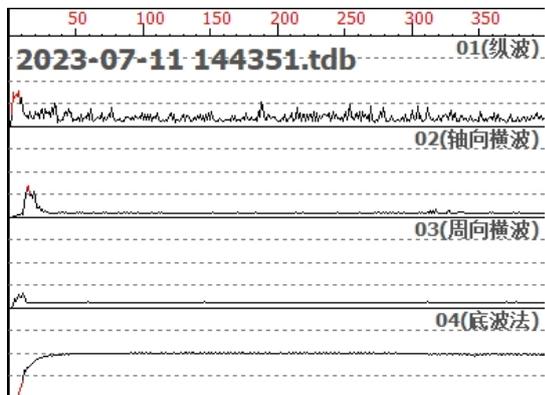
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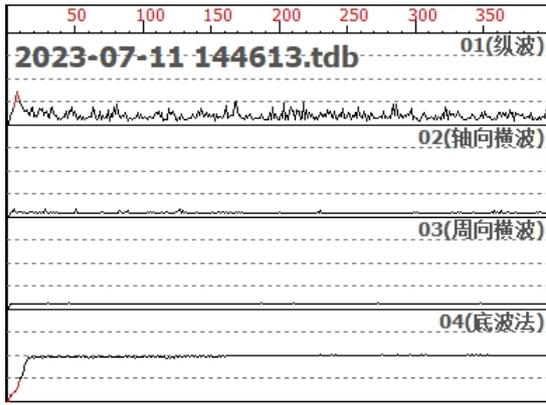
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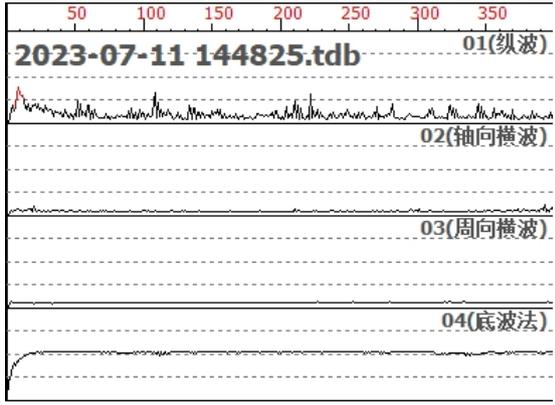
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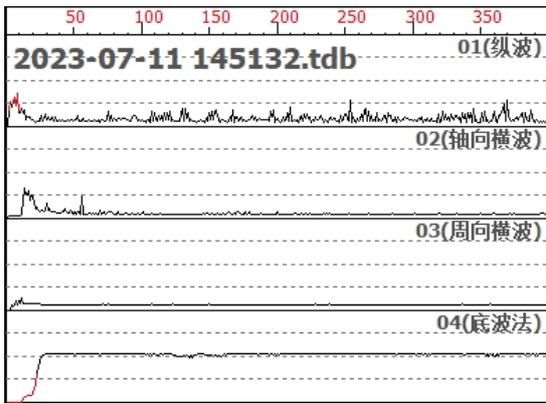
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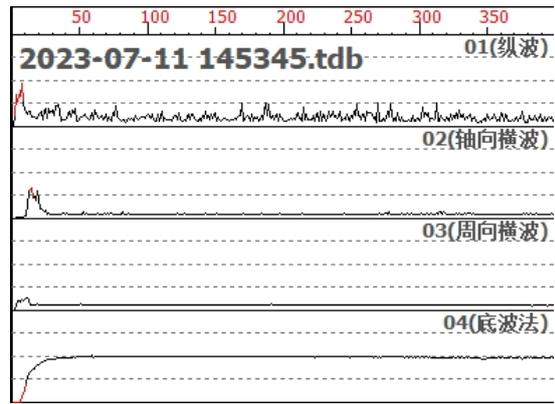
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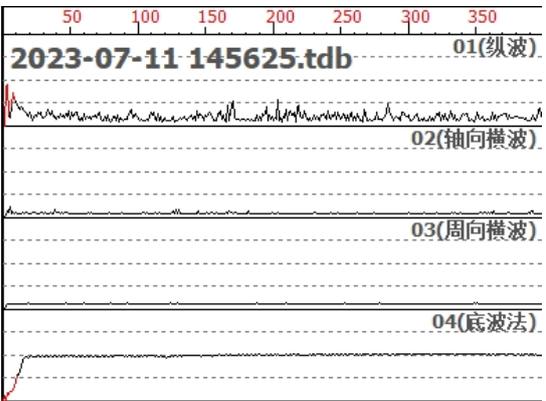
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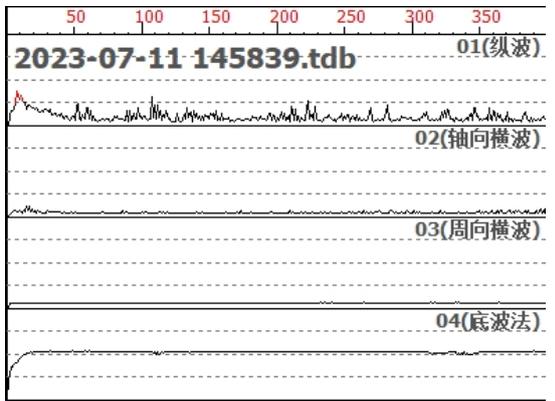
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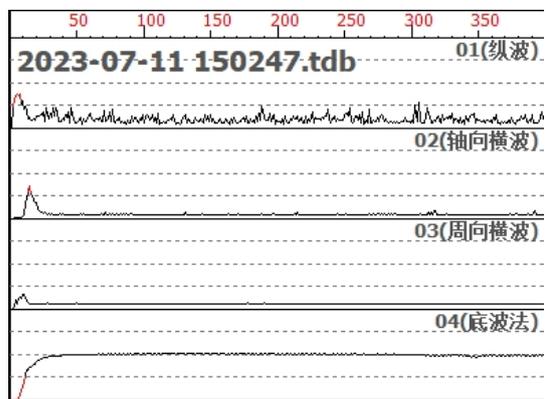
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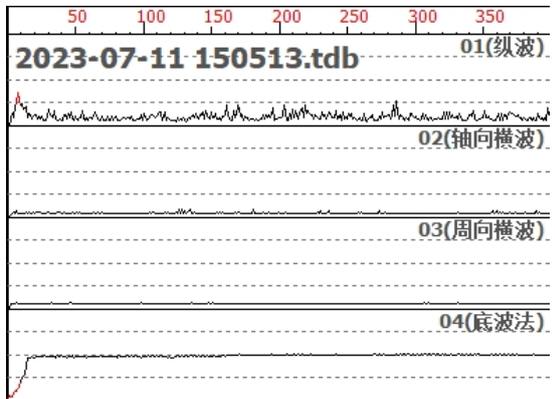
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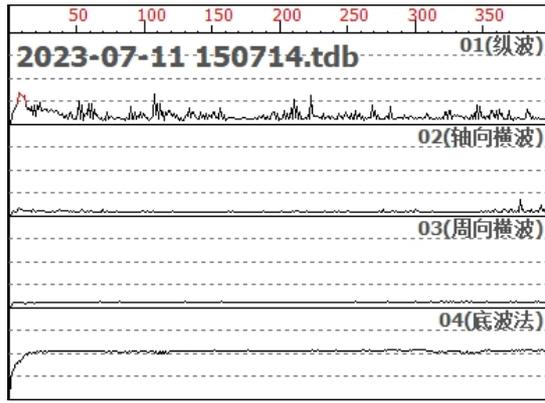
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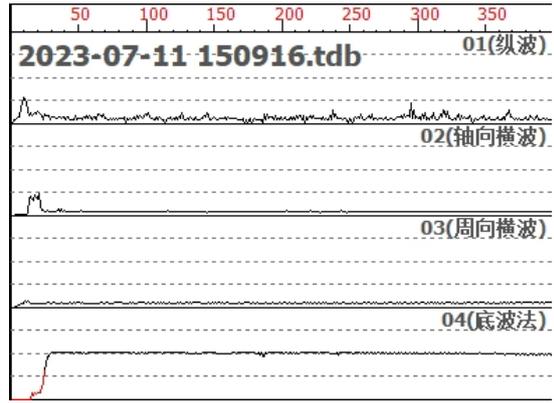
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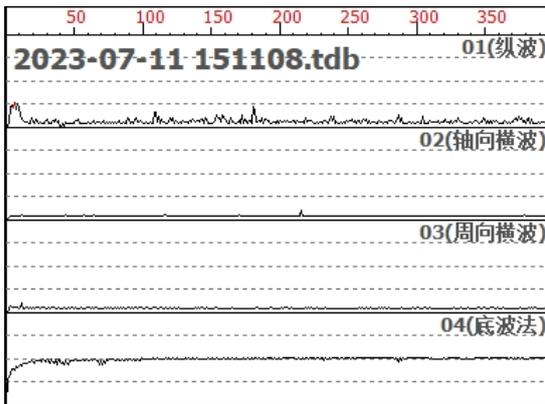
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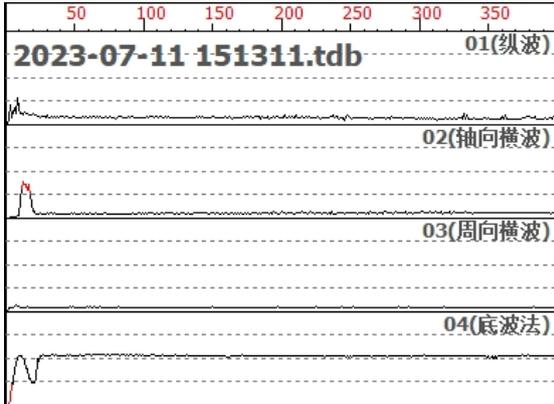
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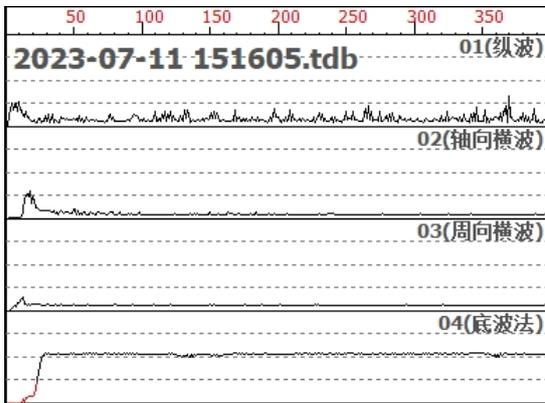
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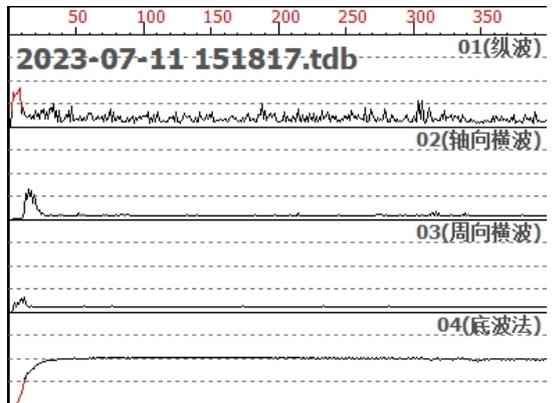
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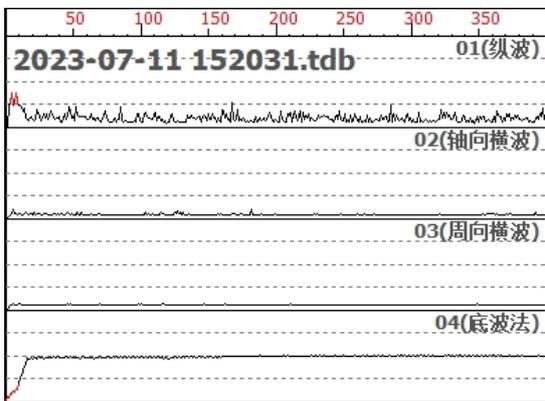
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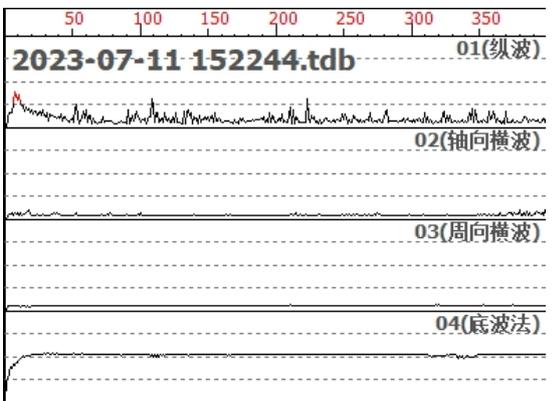
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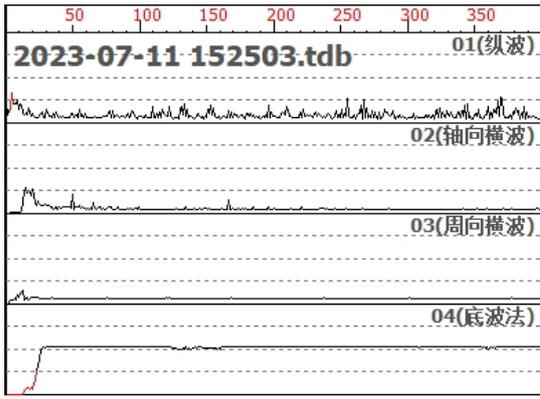
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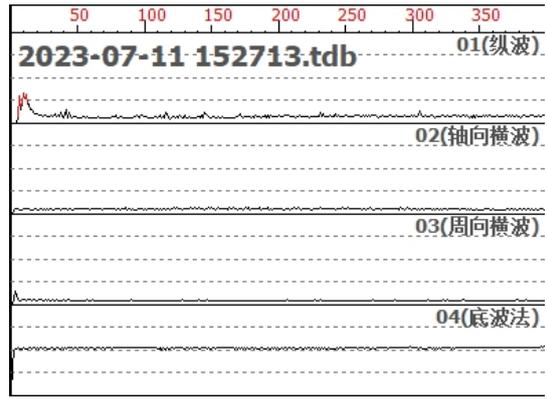
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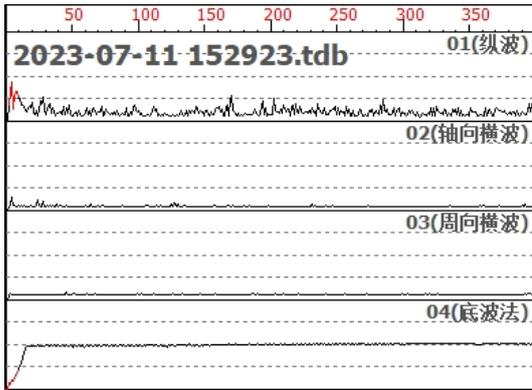
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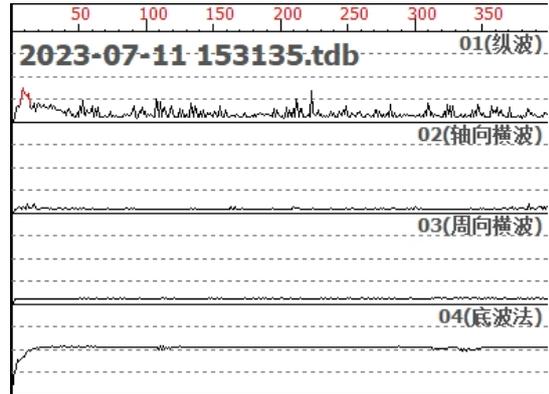
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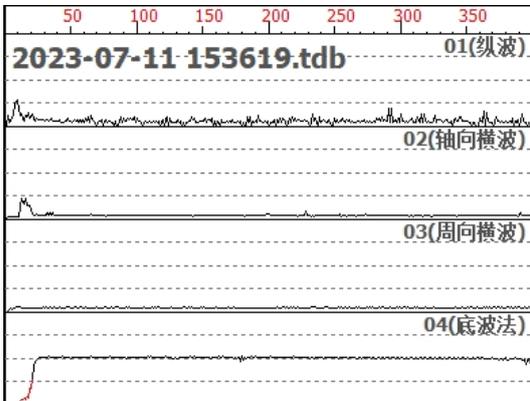
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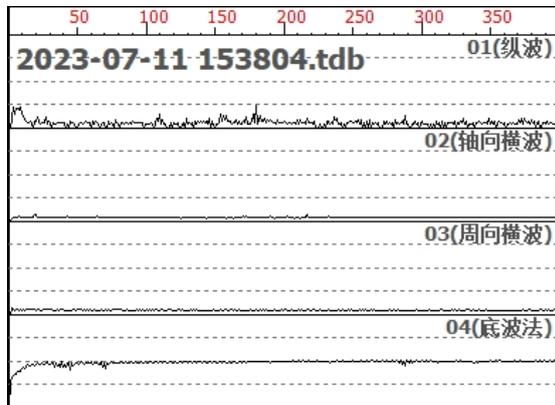
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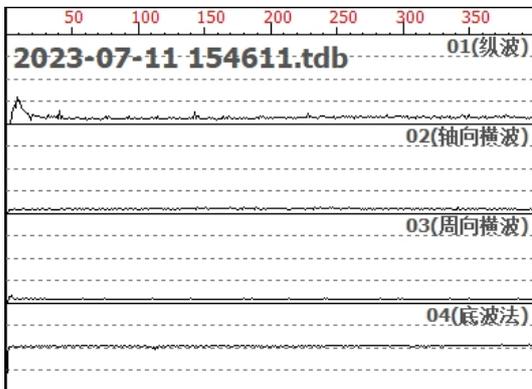
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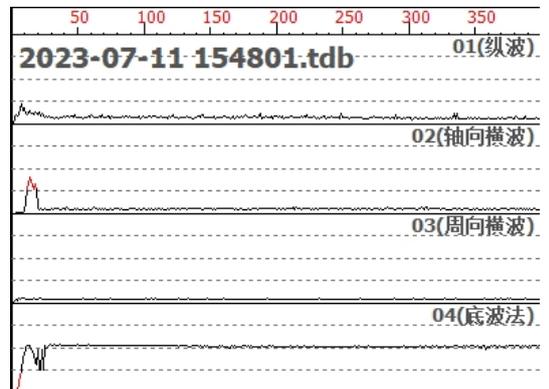
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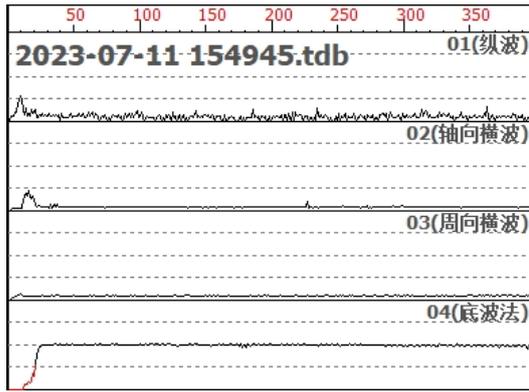
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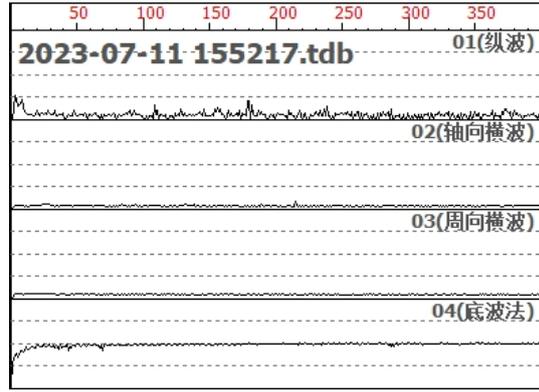
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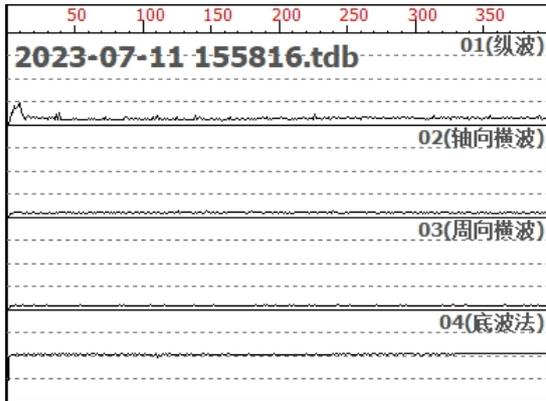
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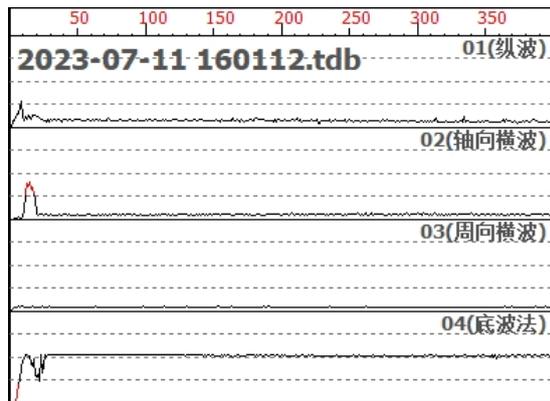
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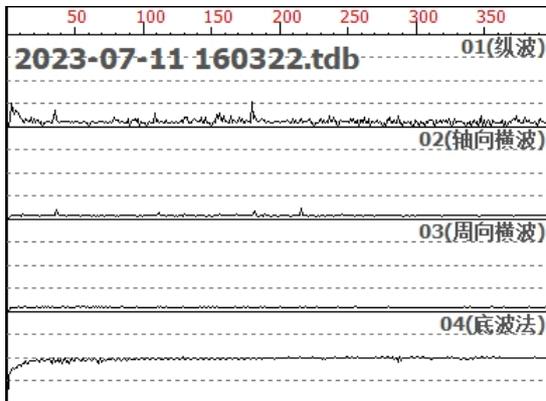
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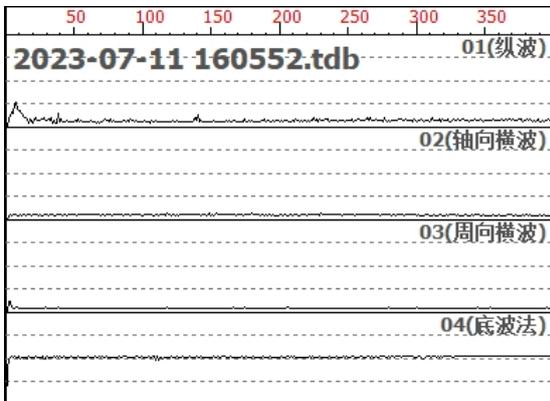
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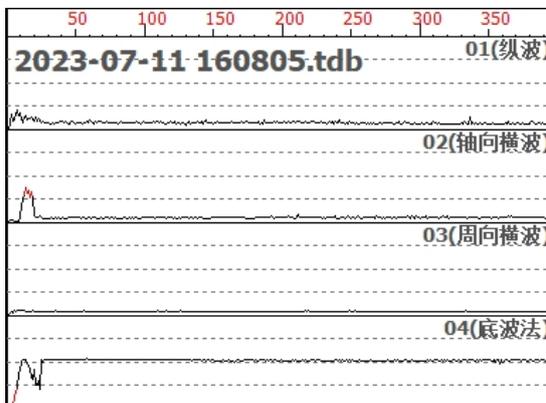
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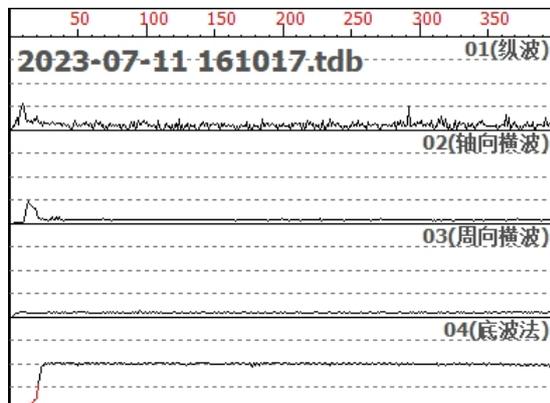
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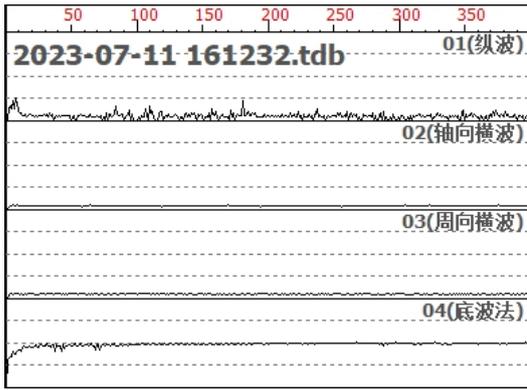
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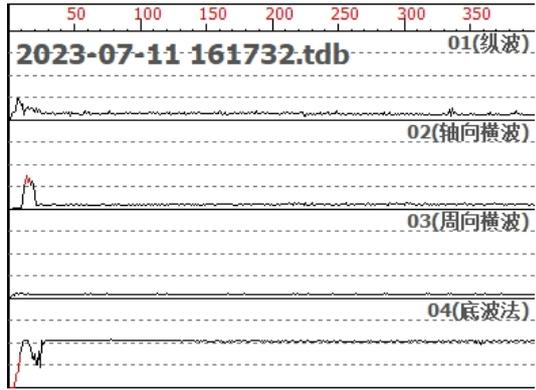
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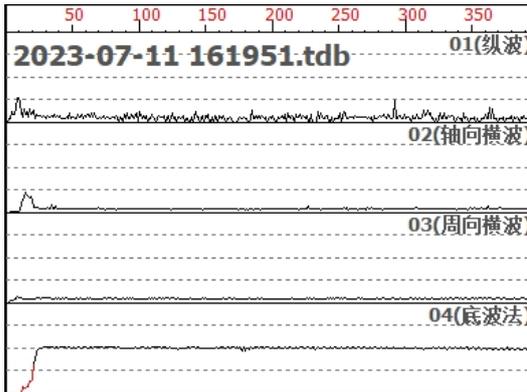
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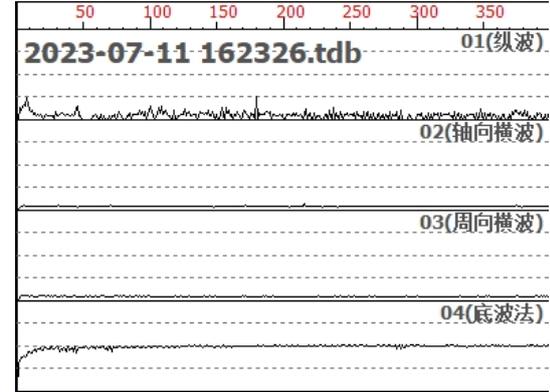
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产品号 98



产品号 99



产品号 100