

Reciprocating Tribometer

SRV

Description

Conditions

Results

InS
 Innovation
 Nanomaterials
 Strategy

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SRV is an acronym for « *Schwingung Reibung Verschleiß* », German for **reciprocating friction and wear**. This tribometer allows any lubricant (oils, greases, coatings...) qualification versus different contact configurations representative of various real cases such as **piston-cylinder, cam-valve, chain, fretting...**
 SRV tribometer is covered by **numerous standards**. Any kind of materials can be tested, specific samples can be designed in order to simulate exotic contact situations.

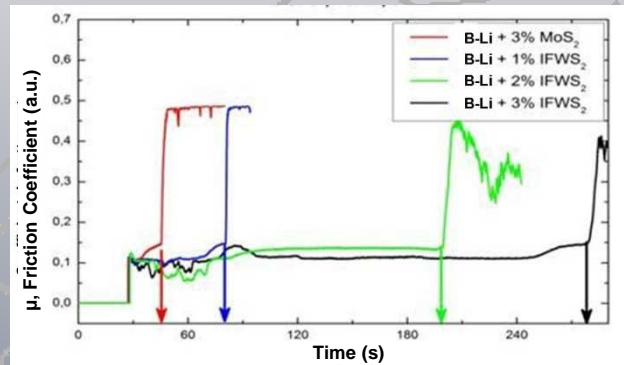
Standardized Tribometer:

- ASTM D5706** : Method for determining extreme pressure properties of lubricating greases
- ASTM D5707** : Method for measuring friction and wear properties of lubricating greases
- ASTM D6425** : Method for measuring friction and wear properties of extreme pressure lubricating oils
- ASTM G133-02** : Standard test method for linearly reciprocating ball-on flat sliding wear
- DIN 51834** : Determination of friction & wear data of lubricating oils

Adjustable Tribometer:

- **Normal load** : 25 to 1000 N
- **Frequency** : 10 to 250 Hz
- **Amplitude** : 10 µm to 3mm
- **Temperature** : Up to 250 C
- **Controlled atmosphere**

Examples of wear scars



Additive influence on anti seizure performances of a grease

