

**UNITED KINGDOM**  
**SIDEWAY-FORCE SKID RESISTANCE SURVEY DEVICES**  
**ACCREDITATION TRIAL SUMMARY TEST CERTIFICATE**

Report No: 0108SKID/WDM SM1 Issue 1

**REGISTRATION NUMBER: WDM SM1**  
**TRIAL Reference No: 34**

Operated by **WDM Ltd**  
Of Staple Hill House, Staple Hill, Bristol

has participated in a United Kingdom Sideway-Force Coefficient Routine Investigation Machine Accreditation trial on **26 March 2019** at MIRA Proving Ground, Watling Street, Nuneaton, Warwickshire, CV10 0TU under the supervision of TRL.

The above machine has been tested against the criteria specified in Accreditation and Quality Assurance of Sideways Force Skid Resistance Survey Devices document<sup>1</sup> dated July 2016.

This machine has successfully met the mandatory criteria. Some Network Authorities may also require specific level of performance in some or all of the additional tests. The performance of this machine in each test is summarised in the Annex to this test certificate.

This certificate supersedes any previous certificates issued by TRL.

Signed on behalf of TRL Limited



Patrick Werro

Valid From: 26 March 2019

Date of expiry: 26 April 2020

<sup>1</sup> This document is available from TRL or from the following website  
[http://www.ukroadsliaisongroup.org/en/asset-condition/road-condition-information/data-collection/skid-resistance/Sideway\\_force\\_skid\\_resistance\\_survey\\_devices/index.cfm](http://www.ukroadsliaisongroup.org/en/asset-condition/road-condition-information/data-collection/skid-resistance/Sideway_force_skid_resistance_survey_devices/index.cfm)



## Test Certificate Annex

The following parameters must be passed to successfully meet the requirements of the accreditation trial.

Tested Parameter	Left wheel	Right wheel
<b>Skid Resistance</b>		
Between run standard deviation	Pass	Not Assessed
Between equipment standard deviation	Pass	Not Assessed
<b>Distance measurement and Vehicle Speed</b>		
Distance measured	Pass	
Vehicle Speed	Pass	
<b>Test wheel weight and water flow</b>		
Test wheel weight	200.7	Not Assessed
Water flow rate	Pass	Not Assessed
Water flow direction	Pass	Not Assessed
<b>* Comments:</b>		
This machine supplied OSGR fitted data, however the OSGR fitted criteria for distance has been identified as being demanding. Therefore machines are assessed against the automatic markers criteria.		

The following parameters were also tested/reviewed. They are not currently mandatory requirements, however some Network Authorities may also require specific level of performance in some or all of these additional tests.

Tested Parameter	Performance
OSGR coordinate measurement	High
Altitude measurement	High
Data alignment performance	Satisfactory
.S10 file format	Satisfactory
.LOC file format	Satisfactory
.RCD file format	Satisfactory
.BCD file format	Satisfactory
<b>Comments:</b>	
OSGR assessed against OSGR fitted and Automatic markers criteria.	