



**BAIYUN**  
Brake Expert

# TEST REPORT

ZHENGZHOU BAIYUN  
INDUSTRIL CO.,LTD

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**BAIYUN**

HY209A Friction Materials Tester Test Report

Test Report

Test Description GB/T 34007-2017

Customer Reference Zhengzhou Baiyun Friction material Co.,Ltd

Program Based Section 6.2.4-GB/T34007-2017

Platform HY209A Friction Material Tester

Lining Material BYP018

Test Date 12-May-22 2:48 PM

Requested By

Requested By

Zhengzhou Baiyun Industrial Co.,Ltd Friction aterials laboratory

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HY209A Friction Materials Tester Test Report

## Test data sheet2

Test number8					Test number9				
NO.	$\mu$	P	M	Temp. B	NO.	$\mu$	P	M	Temp. B
59	0.354	11.8	253	195	62	0.354	11.7	250	147
60	0.37	11.8	264	213	63	0.37	11.7	262	166
61	0.369	11.7	261	254	64	0.384	11.7	271	212
Test number10					Test number11				
NO.	$\mu$	P	M	Temp. B	NO.	$\mu$	P	M	Temp. B
65	0.36	11.7	254	99	70	0.37	11.7	262	309
66	0.377	11.7	265	124	71	0.338	11.7	239	333
67	0.39	11.7	276	175	72	0.32	11.7	228	349
68	0.42	11.7	296	224	73	0.313	11.7	221	363
69	0.397	11.7	280	274	74	0.3	11.7	211	376
Test number12					Test number12				
NO.	$\mu$	P	M	Temp. B	NO.	$\mu$	P	M	Temp. B
75	0.353	11.8	252	99	80	0.366	11.7	259	294
76	0.368	11.8	262	119	81	0.37	11.7	262	322
77	0.364	11.7	258	167	82	0.33	11.7	235	365
78	0.365	11.7	258	215	83	0.31	11.7	219	385
79	0.375	11.7	264	260	84	0.29	11.7	206	402

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Friction coefficient

$\mu_{work1}$  0.373

$\mu_{work2}$  0.359

$\mu_{Max}$ : 0.430

$\mu_{Min}$ : 0.200

Wear

mm

%

g

%

Pad1 0.0430

0.5759

0.84 0.775

Pad2 0.0400

0.5326

0.624 0.595

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## HY209A Friction Materials Tester Test Report

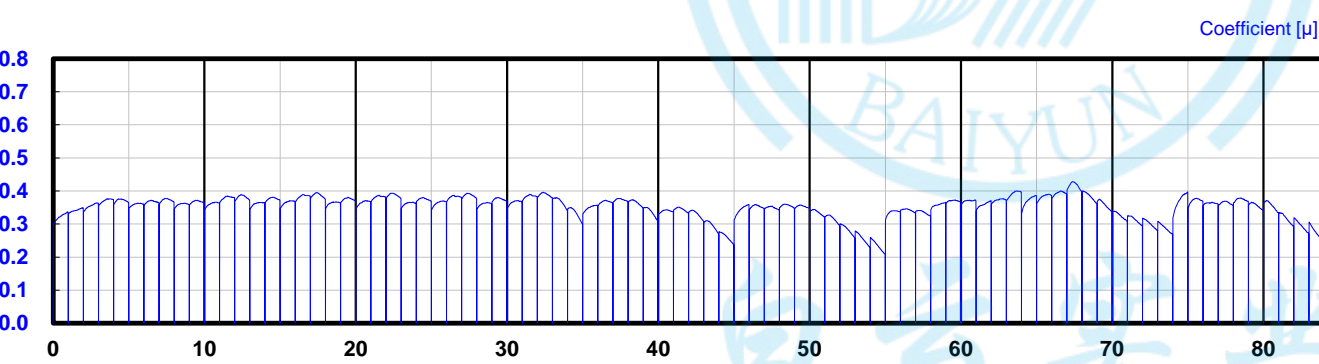
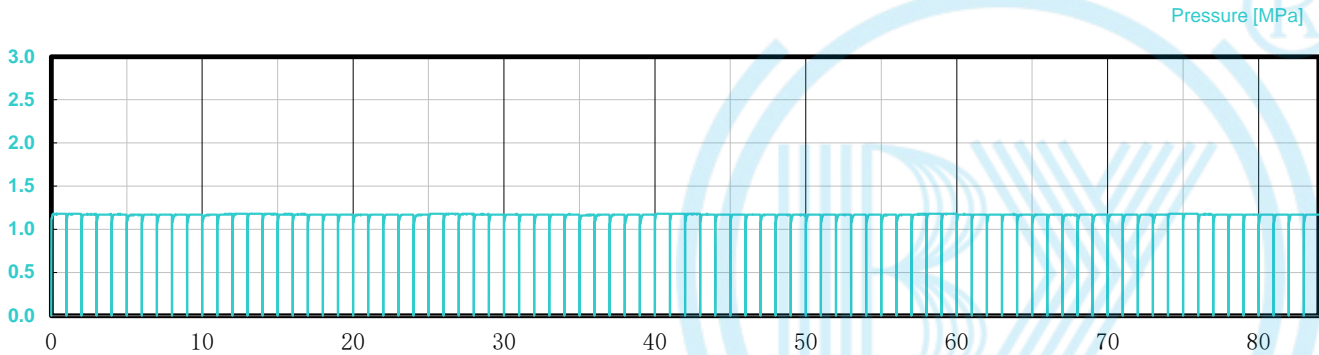
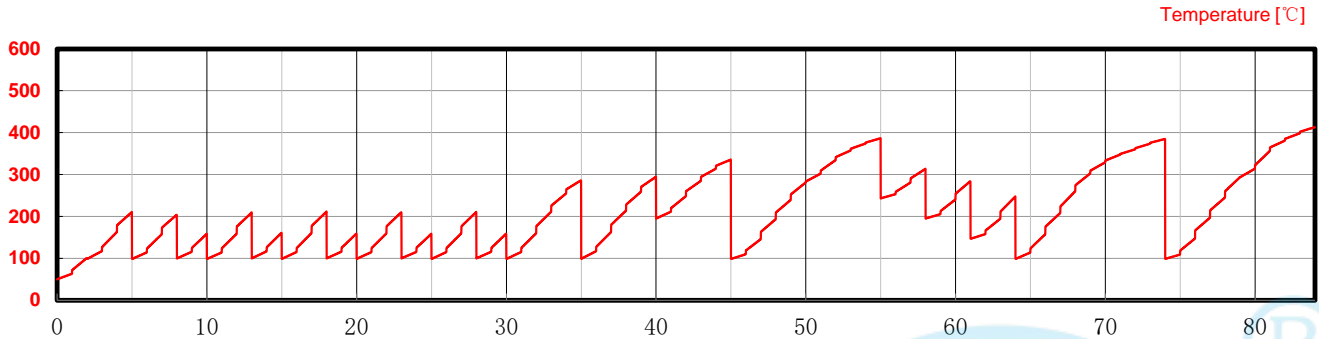
### Test data sheet1

Test number1									
NO.	$\mu$	P	M	Temp. B	NO.	$\mu$	P	M	Temp. B
1	0.313	11.8	222	50	16	0.36	11.7	255	99
2	0.338	11.8	241	72	17	0.38	11.7	269	125
3	0.348	11.7	247	99	18	0.389	11.7	275	178
4	0.366	11.7	259	127	19	0.361	11.7	255	100
5	0.373	11.7	264	179	20	0.375	11.7	265	125
6	0.356	11.6	250	99	21	0.36	11.7	254	99
7	0.367	11.7	259	124	22	0.379	11.7	267	125
8	0.373	11.7	263	173	23	0.39	11.7	275	177
9	0.357	11.7	252	100	24	0.359	11.7	253	100
10	0.367	11.7	259	125	25	0.377	11.6	265	125
11	0.356	11.6	251	99	26	0.358	11.8	255	99
12	0.375	11.7	266	124	27	0.381	11.8	271	124
13	0.382	11.8	272	176	28	0.389	11.8	276	177
14	0.358	11.8	255	100	29	0.358	11.7	253	100
15	0.375	11.8	266	127	30	0.378	11.7	267	125
Test number2					Test number3				
NO.	$\mu$	P	M	Temp. B	NO.	$\mu$	P	M	Temp. B
31	0.362	11.7	256	99	36	0.343	11.6	241	99
32	0.382	11.7	270	125	37	0.365	11.7	257	127
33	0.391	11.7	276	177	38	0.375	11.7	264	180
34	0.379	11.7	268	226	39	0.37	11.7	263	228
35	0.35	11.7	248	265	40	0.35	11.7	247	271
Test number4					Test number5				
NO.	$\mu$	P	M	Temp. B	NO.	$\mu$	P	M	Temp. B
41	0.338	11.8	241	195	46	0.332	11.7	235	99
42	0.349	11.8	249	220	47	0.355	11.7	251	119
43	0.34	11.8	243	260	48	0.35	11.7	248	163
44	0.31	11.7	220	294	49	0.358	11.7	252	209
45	0.273	11.7	193	321	50	0.355	11.7	250	253
Test number6					Test number7				
NO.	$\mu$	P	M	Temp. B	NO.	$\mu$	P	M	Temp. B
51	0.34	11.7	243	283	56	0.333	11.7	235	243
52	0.327	11.7	231	310	57	0.344	11.7	243	259
53	0.296	11.7	209	342	58	0.34	11.7	242	291
54	0.272	11.7	192	362					
55	0.25	11.7	176	376					

# TEST REPORT

Program:	HY209A.EXE	Brake type:	s60
Test basis:	GB/T-34007	Disc number:	2
No:	CCC22032601	Disc diameter:	278 mm
Ddte:	2022/5/12	Disc thickness:	12 mm
Material:	BYP018	Brake radius:	108 mm
Batch number:	2203256	Test area:	43.16 cm <sup>2</sup>
Product model:	WVA29087	Disk runout:	50 μm
Test personnel:	Ge Jinrui		

Customer: Zhengzhou Baiyun Friction material Co.,Ltd  
 Testing machine: HY209A Friction Material Tester



Friction coefficient	Wear mm	%	g	%
U <sub>work1</sub> : 0.373	Pad1: 0.04	0.6	0.84	0.7749
U <sub>work2</sub> : 0.359	Pad2: 0.04	0.5	0.62	0.5953
U <sub>Max</sub> : 0.430	Footprint pad 1:		100%	
U <sub>Min</sub> : 0.200	Footprint pad 2:		100%	

revised	verified
released	rejected