



Brake Dynamometer Test Report

Link Test Report : 211017-03
Test Description: PQ46 FA Left Front SAE J2522 Inertia 95

Customer Reference: SAE J2522
Program : Link3000
Platform: PQ46 Left Front
Lining Material: P63
Test Date: 10/17/2021

Requested By:

Zhongshan Safety Auto Parts Co.,Ltd.
Li dongwei

Tested By:

Testing Coordination and Facility
Link Transportation Testing Technology (Shanghai) Co., Ltd
Building No.2, 778 Zhao Xian Road, Jiading District, Shanghai
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Test Request :
211017-03



Customer Ref:
SAE J2522

PQ46 FA Left Front SAE J2522 Inertia 95

Test Information

Customer Name	Zhongshan Safety Auto Parts Co.,Ltd.
Test Procedure	SAE J2522.SPT
Program Number	SAE J2522
Test Coordinator	Dong han
Technician	Yang
Dynamometer	Link3000
Start and end dates	10/17/2021
Datalog, Template version	3.3 , 1.16

Dynamometer Information

Rolling Radius	335.0 mm
Actual Wheel Load	kg
Required Inertia	95kg·m ²
Actual Inertia	94.9 kg·m ²

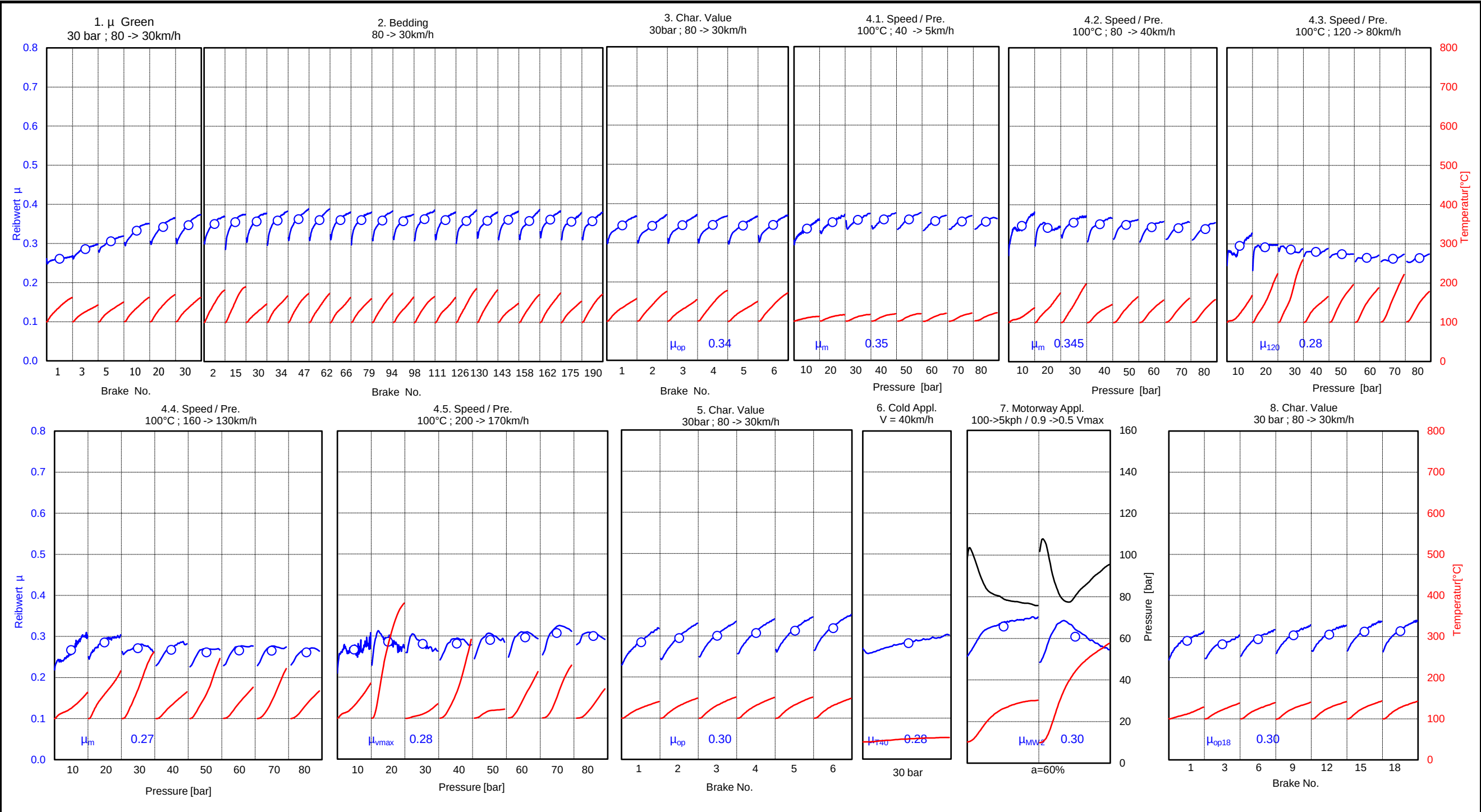
Brake Information

Brake Platform	PQ46 FA Front
Brake Type	
Brake Size	312*25mm
Rotor ID Number Drum/	20210615-3A
Rotor Type	Disc
Pri/Lead/Inner Lining	P63
Sec/Trail/Outer Lining	P63
Orientation	Left
Effective Radius	129.00 mm
Number of Pistons/Cyls	1
Coefficient Multiplier	0.0126
Piston Diameter Holdoff	57.0mm
Threshold Pressure	0.5bar

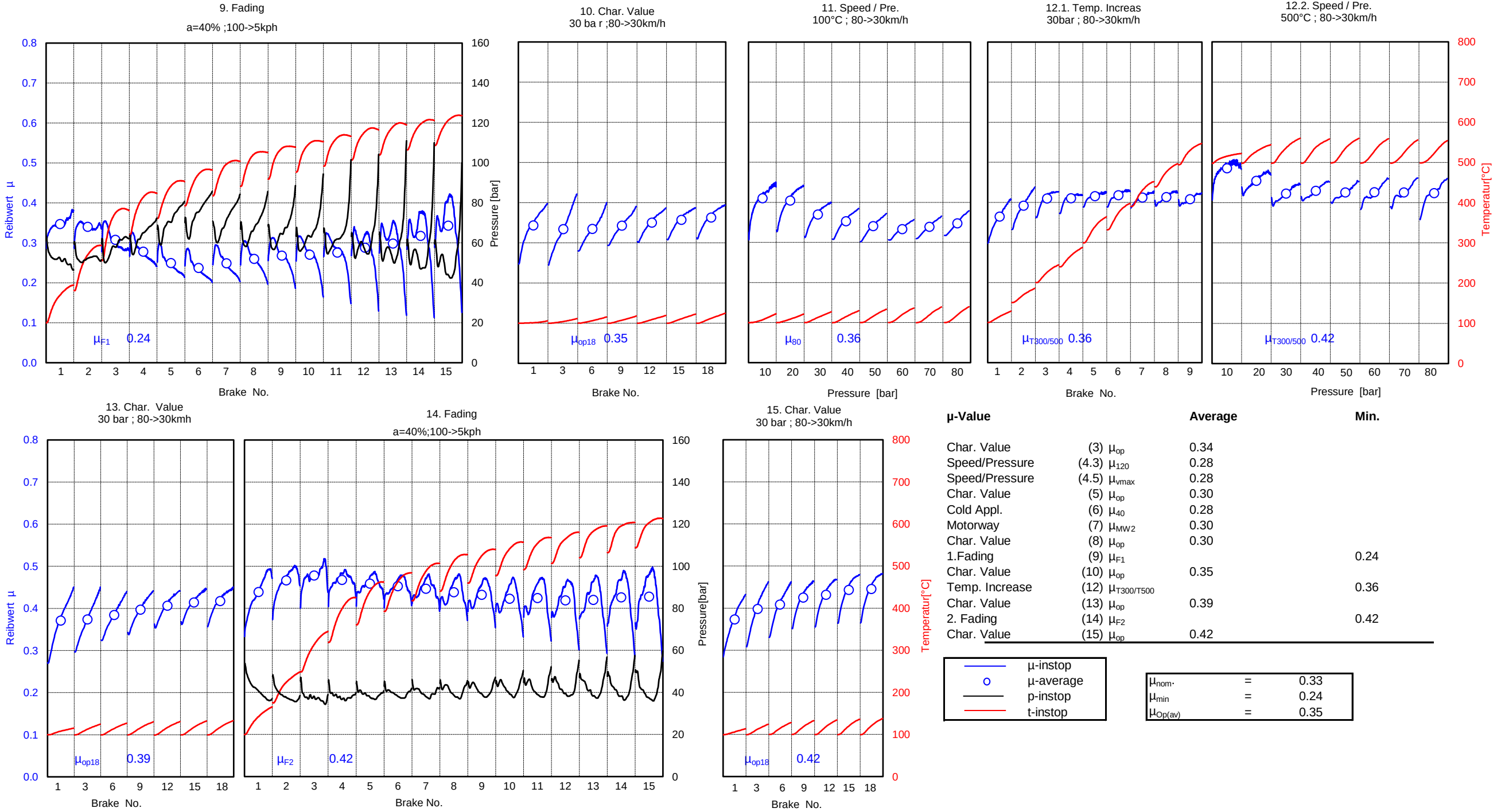
Approved by: Dong han

Signature: 

Date 10/17/2021



			SAE J2522 (Issued 2003-6)					PQ46 FA. AKM		
Remark:										
Material: P63		Soll / Ist	95/94.9	kg·m²		Wear	mm	g	Temp. 25.23 °C	
Batch / AT: TD1107	Project:	R _{eff.}	0.129	m		Outer	0.65	11.16	Humi. 58.82 %	
PA.ID: 20211008	Caliper: PQ46 FA (FN3 57)	R _{dyn.}	0.335	m	Test No.:	Inner	0.62	10.66	Run Time 13:41 h	
Test no.:	Rotor: 312X25	A _{RZ}	25.52	cm²	Date: 10/17/2021	Rotor:	0.03	2.3	Page 1	



SAE J2522 (Issued 2003-6)

PQ46 FA. AKM

Remark:

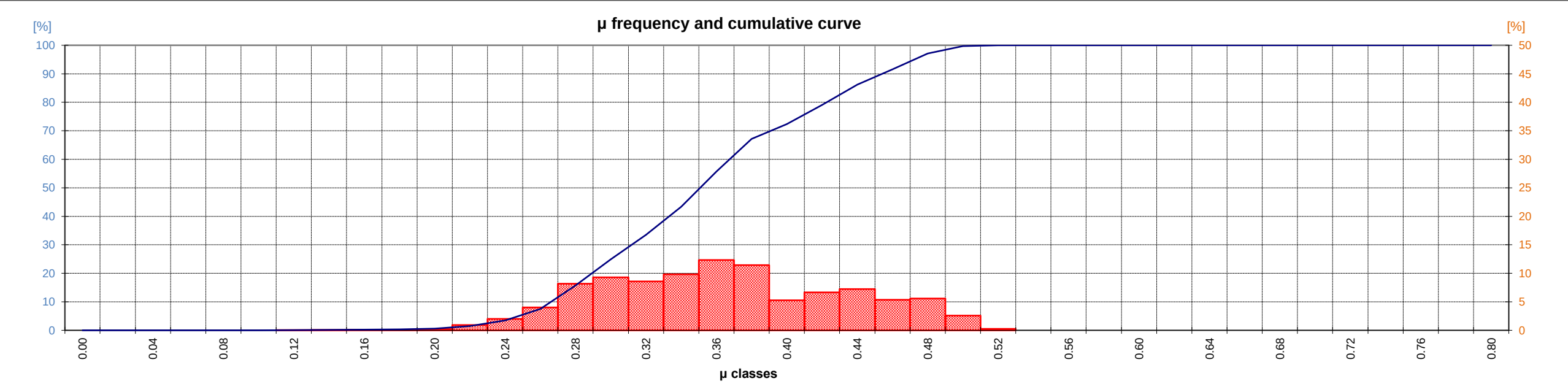
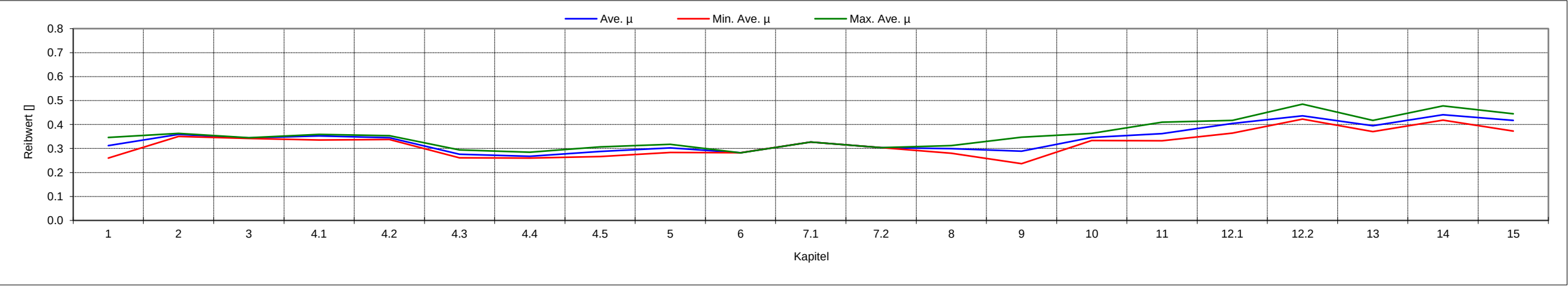
Material: P63	Artikel: N/A	I _{Soll} / Ist 95/94.9	kg·m²		Wear	mm	g	Temp. 25.23 °C	
Batch / AT: TD1107	Project:	R _{eff.} 0.129 m			Outer	0.65	11.16	Humi. 58.82 %	
PA.ID: 20211008	Caliper: PQ46 FA (FN3 57)	R _{dyn.} 0.335 m		Test No.:	Inner	0.62	10.66	Run Time 13:41 h	
Test no.:	Rotor: 312X25	A _{RZ} 25.52 cm²		Date: 10/17/2021	Rotor:	0.03	2.3	Page 2	

Test Request :
211017-03



Customer Ref:
SAE J2522

	1 μ Green	2 Bedding	3 Char. 80km/h 30bar	4.1 Pres. 40km/h 10-	4.2 Pres. 80km/h 10-	4.3 Pres. 120km/h 10-	4.4 Pres. 160km/h 10-	4.5 Pres. 200kph 10-	5 Char. 80kph 30bar	6 Cold Appl. 40°C	7.1 Motorway 1 100->5 km/h	7.2 Motorway2 90 -50% v _{max}	8 Char. 80km/h 30 bar	9 Fading1 0,4g	10 Recov. 80km/h 30bar	11 Pres. 10-80 bar	12.1 Temp Incr.	12.2 Pres. 10-80 bar	13 Recov. 80km/h 30 bar	14 Fading2 0,4g	15 Recov. 80km/h 30bar
Ave. μ	0.31	0.36	0.34	0.35	0.34	0.28	0.27	0.29	0.30	0.28	0.33	0.30	0.30	0.29	0.35	0.36	0.40	0.44	0.39	0.44	0.42
Min. Ave. μ	0.26	0.35	0.34	0.34	0.34	0.26	0.26	0.27	0.28	0.28	0.33	0.30	0.28	0.24	0.33	0.33	0.36	0.42	0.37	0.42	0.37
Max. Ave. μ	0.35	0.36	0.34	0.36	0.35	0.29	0.28	0.31	0.32	0.28	0.33	0.30	0.31	0.35	0.36	0.41	0.42	0.49	0.42	0.48	0.45
Min. Inst. μ	0.25	0.29	0.30	0.29	0.27	0.23	0.22	0.21	0.23	0.26	0.26	0.24	0.24	0.11	0.24	0.30	0.30	0.36	0.27	0.27	0.28
D max	0.07	0.09	0.07	0.07	0.11	0.08	0.09	0.10	0.09	0.05	0.09	0.10	0.08	0.30	0.18	0.14	0.11	0.10	0.18	0.22	0.15



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Material: P63	Artikel: N/A	Soll / Ist	95/94.9	kg·m²		Wear	mm	g	Temp. 25.23 °C	
Batch / AT: TD1107	Project:	R _{eff.}	0.129 m			Outer	0.65	11.16	Humi. 58.82 %	
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Test no.:	Rotor: 312X25	A _{RZ}	25.52 cm²		Date: 10/17/2021	Rotor:	0.03	2.3	Page 3	

Before Test



After Test



		SAE J2522 (Issued 2003-6)			PQ46 FA. AKM	
Remarks:						
Material: P63		Soll / Ist	95/94.9			
Batch / AT: TD1107		R _{eff.}	0.129 m	Script:		
Pad ID: 20211008	Project:	R _{dyn.}	0.335 m			
Test Num:	Rotor: 312X25	A _{RZ}	25.52 cm²	Date: 10/17/2021		