VE		Date/ Time:		Locat	Location:		Creep Groan E						Vā	alua	tior	1		License no.:				
31	4	Assessor: Company			, , , total				Weight				Partly	y loaded	Fully	loaded	Vehicle	state: 🔲	Demonstrator	☐ Prototype ☐	Series	
Pre	-cond	ditior	ning:	☐ New setup	□Mil	ileage		☐ Pre-con	id./Profile						Vis	ual as	sessme	ent:				
Prob		FA:	Descr.:					Batch: Version:						Shim: Chamfer:			Chamfer:			Compress.:		
Bra		Part no.:					Setup date:			Setup Km:			Comm	ent:								
Pa		Descr.:						Batch:			Version:				Shim: Cha			Chamfer:			Compress.:	
		RA: F	Part no.:					Setup date	э:		Setup	Km:			Comm	ent:						
		FA: I	Descr.:					Version:			Part no	u:			Oth	ner:	(active	driver a	ssistance	systems	, opening of si	de windows,)
l Di	sc	RA: Descr.:						Version:			Part no.:						-					
		FA: Descr.:						Version:			Part no.:											
Cali	per –	RA: I	A: Descr.:					Version: Pa			Part no.:											
	Rim	n Descr.:						Version:			Part no.:											
٧	Vheel	eel Descr.:						Version:			Part no.:											
H			Pre-cond. Test condit			condition	tions Vehicle and nois					noise	da	ata Assessment:								
ွ	Mod	dule	Iam	ambient Rest			I _{ambient}	or it.	васкугои nd noise		ed T _D		isc		n			Subj. ratin				Comment: (especially: tonal noise, drumming
ent			rH	pend			rH [%]	cond.	level: [dB ₄]	[1/min]**		[°C Start	[] End	i	p _{creep} [bar]	[d Max.	B _A]	overall [1-10]	Lou	dness:	Ductility:	noise, rim howl,)
Minimum Requirements					/-	Level road			IGDAI		FA								loud		□ long □ short	
quir		Cold ke*:			(d	automatic gear, only)					RA								☐ audible ☐ hardly a	udible	☐ barely present	
Rec	directly a	after res	st			at a %					FA								□ loud □ audible		□ long □ short	
<u>ء</u>					8	slope					RA								hardly a		barely present	
m	4 3 V	Varm	, 		(a	Level road automatic gear,					FA								□ loud □ audible		□ long □ short	
l ini	bra	ke*:	'			only)					RA								☐ hardly a	udible	☐ barely present	
-		isc = 00°C				at a %					FA								☐ loud ☐ audible		□ long □ short	
					`	оюро					RA				0			<u> </u>	hardly a		barely present	
		-	-Morni	-	T _{Disc}	< 10°C							ß	5.		vere pressure T _{Disc} < 50°C, like minimum requirements, however, brake applied for 10 bis 15s with p = 80 - 100bar prior to the test					nowever, brake applied for 10 bis 15s with	
ents		ear s slope*	set to "I	o" at a	T _{Disc}	< 50°C , gear s	et to "D"	at a slope					emen	5.	i.9 "In-Stop"*:			T _{Disc} < 50°C, parameters see below				
uirem	5.3 V	Narm	engine	in "D"*:	T _{Disc}	< 50°C , gear s	et to "D"	, level road, e	engine runn	ing for 20	min		equire	5.1	10 Fully	heated	brake*:	: T _{Disc} = 200 – 300°C				
Optional Requirements	5.4 F	Rever	se*:		T _{Disc}	< 50°C , vehicle	e backwa	ards oriented					Optional Requirements	5.1	11 Wet f	riction	couple*:			50°C, outer friction ring of each brake disc fully covered with tab water		
tiona	5.5 (Quick	pedal	elease*:	T _{Disc}	< 50°C , like mi	nimum re	quirements,	but groan no	ise not for	ced		Optio	5.1	12 Wate	2 Water exposure*: T _{Disc} < 50°C + rest perio				C, outer friction ring of each brake disc fully covered with tab water od of 6h		
do				tch-off*:	T _{Disc}	< 50°C , like mi	nimum re	quirements,	one axle sw	itched off	and do	cumented		5.1	13 Salt v	water ex	posure*	: T _{Dis}	_c < 50°C, a	s 5.12, hov	vever, with salt w	vater (5 mass-% NaCl)
	5.7	7 Automated brake T _{Disc} < 50°C, usage of relevant assistance systems like final customer							*5 tests per module; **fully electric mode = 0													

		Pre-cond.		Test conditions		Vehicle and noise data									Assessme	ent:	Comment:	
Mo	Module	I _{ambient} [°C] rH [%]	Rest period [h]		I _{ambient} [°C] rH [%]	Weather cond.	nd noise level: [dB ₄]	Idle speed [1/min]**	Axle		Disc C]	p _{creep} [bar]		oressure B _A]	Subj. rating overall [1-10]	Loudness:	Ductility:	(especially: tonal noise, drummin noise, rim howl,)
				Level road (automatic gear only)	,		IGDAI		FA RA							□ loud □ audible □ hardly audible	□ long □ short □ barely present	
				at a slope	6				FA RA							☐ loud ☐ audible ☐ hardly audible	□ long □ short □ barely present	
, <u> </u>				Level road (automatic gear only)	,				FA RA							☐ loud ☐ audible ☐ hardly audible	□ long □ short □ barely present	
Optional Requirements				at a slope	6				FA RA							☐ loud ☐ audible ☐ hardly audible	□ long □ short □ barely present	
ednire 				Level road (automatic gear only)	-,				FA RA							☐ loud ☐ audible ☐ hardly audible	□ long □ short □ barely present	
nai K				at a slope	6				FA RA							☐ loud ☐ audible ☐ hardly audible	□ long □ short □ barely present	
	n-Stop"			p = 5bar					FA RA			- 5				☐ loud ☐ audible ☐ hardly audible	□ long □ short □ barely present	
	art= 30kph nd= 0kph			p = 10bar					FA RA			10				☐ loud ☐ audible ☐ hardly audible	□ long □ short □ barely present	
T _{Dis}	_{isc} < 50°C			p = 15bar					FA RA			- 15				☐ loud ☐ audible ☐ hardly audible	☐ long ☐ short ☐ barely present	
				Level road (automatic gear only)	,				FA RA							☐ loud ☐ audible ☐ hardly audible	□ long □ short □ barely present	
				at a	6				FA RA							☐ loud ☐ audible ☐ hardly audible	□ long □ short □ barely present	

	Measurement Equipment Minimum Requirements												
Sound level meter			☐ Gearshift level ☐		Inv. no.:								
	posi	ition	Туре:	Install.:									
	FA	FR:	☐ Inside brake disc ☐ Inside brake pads ☐ Rubbing along disc surf. Inv. no.:		Inv. no.:		RR:	☐ Inside brake disc ☐ Inside brake pads	☐ Rubbing along disc surf.	Inv. no.:			
Thermo- couple:			Туре:	Install.:	DΛ		Туре:	Install.:					
min. one per axle		FL:	☐ Inside brake disc ☐ Inside brake pads	☐ Rubbing along disc surf.	Inv. no.:	KA	RL:	☐ Inside brake disc ☐ Inside brake pads	☐ Rubbing along disc surf.	Inv. no.:			
			Type:	Install.:				Type:	Install.:				

				Mea	onal l	Requirements		
Artific measuren				Inv. no.:	Туре:			
Wheel house		FR:	☐ Installed ☐ Photo available	Inv. no.:	Туре:		RR:	☐Installed ☐Photo available Inv. no.: Type:
	FA	FK.	Position:			RA	KK.	Position:
micropho ne:	FA	FL:	☐ Installed ☐ Photo available	Inv. no.:	Туре:	KA -	RL:	□Installed □Photo available Inv. no.: Type:
ne.		FL.	Position:				KL:	Position:
			☐ Installed ☐ Photo available	Inv. no.:	Туре:	RA _	RR:	□ Installed □ Photo available Inv. no.: Type:
		FR:	☐Triaxial ☐Uniaxial ☐	Comment:				Triaxial Uniaxial Comment:
	FA		Position: Caliper housing	☐ Fist ☐				Position: Caliper housing Fist
		FL:	☐ Installed ☐ Photo available	Inv. no.:	Туре:			□ Installed □ Photo available Inv. no.: Type:
Acc. sensor:			☐Triaxial ☐Uniaxial ☐	Comment:	it:			Triaxial Uniaxial Comment:
			Position: Caliper housing	∏Fist ☐				Position: Caliper housing Fist
					Í			<u> </u>
Other comment s:								