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1 Table of Changes

Revi- sion No.	Revision Date	Sec- tion	Page	Description of Change

2 Correspondence and Communications**2.1 Authorized Persons****2.1.1 Persons situated in the United States and authorized to communicate with EPA and CARB:**

Name	First Name	Area of responsibility	Phone Number	E-Mail
McNeill	Adam	Vice President Engineering USA	+1-201-571-5071	Adam.McNeill@bmwna.com
Tribulowski	Jan	Head of Department Emissions, Production Requirements Powertrain	+1-201-571-5177	Jan.Tribulowski@bmwna.com
Bayer	Carlheinz	Manager Emission Certification and Compliance	+1-201-571-5193	Carlheinz.Bayer@bmwna.com
Wong	Johnson	Manager Emission Certification	+1-201-571-5085	Johnson.Wong@bmwna.com
Miller	Timothy	Engineer Certification and Compliance	+1-201-571-5369	Timothy.Miller@bmwna.com
Uwague	Peace	Engineer Certification and Compliance	+1-201-571-5426	Peace.Uwague@bmwna.com
Dendler	Zachary	Engineer Certification and Compliance	+1-201-571-0541	Zachary.Dendler@bmwna.com
Gormley	Louis	Engineer Certification and Compliance	+1-201-644-3181	Louis.Gormley@bmwna.com
Riegel	Christian	Engineer Certification and Compliance		Christian.CR.Riegel@bmwna.com

The preceding representatives can be reached at:

BMW of North America, LLC
200 Chestnut Ridge Road
Woodcliff Lake NJ 07677
Fax-No.: 201 / 571 – 5193

2.1.2 Persons situated in the manufacturers home office and authorized to communicate with EPA and CARB

Name	First Name	Area of responsibility	Phone Number	E-Mail
Weber	Frank	Member of Board of Management, Development	0049 - (0)89 / 382 - 22180	Frank.WF.Weber@bmw.de
Preuss	Florian	Director Development Whole Vehicle	0049 - (0)89 / 382 - 51405	Florian.Preuss@bmw.de
Roessing	Jens	Chief development abroad, type approval and conformity of production	+49 - (0)89 / 382 - 23407	Jens.Roessing@bmw.de
Hockgeiger	Elmar	Manager Emission Control Certification	+49 - (0)89 / 382 - 33251	Elmar.Hockgeiger@bmw.de
King	Thomas	Senior Engineer Emission Control Certification	+49 - (0)89 / 382 - 32423	Thomas.King@bmw.de
Heinle	Ludwig	Engineer Emission Control Certification	+49 - (0)89 / 382 - 56210	Ludwig.Heinle@bmw.de
Bodenmueller	Florian	Engineer Emission Control Certification	+49 - (0)89 / 382 - 49100	Florian.Bodenmueller@bmw.de
Stitteneder	Martin	Engineer Emission Control Certification	+49 - (0)89 / 382 - 21079	Martin.Stitteneder@bmw.de
Degen	Mario	Engineer Emission Control Certification	+49 - (0)89 / 382 - 58042	Mario.Degen@bmw.de
Simon	Veronika	Engineer Emission Control Certification	+49 - (0)89 / 382 - 48001	Veronika.Simon@bmw.de
Edenhofer	Robert	Engineer OBD Certification	+49 - (0)89 / 382 - 38651	Robert.Edenhofer@bmw.de
Hartmann	Elk	Engineer OBD Certification	+49 - (0)89 / 382 - 48983	Elk.Hartmann@bmw.de

The preceding representatives can be reached at:

Bayerische Motoren Werke AG
Dept. EG-831
80788 Munich
Germany
Fax-No.: +49 - 89 / 382 - 32594

2.2 Certificate Information**2.2.1 Corporate Name and Address that should appear on the Certificate of Conformity and on the Executive Order**

**Bayerische Motoren Werke AG
80788 Munich
Germany**

2.2.2 Name and Address of the person to whom the Certificate and the Executive Order should be mailed

**Mr. Jan Tribulowski
General Manager, Environmental Engineering
1 BMW Plaza
BMW of North America LLC
200 Chestnut Ridge Road
Woodcliff Lake NJ 07677**

2.3 Primary Certification Contact

Refer to Section 1, Item 1.3 of the Application for Certification of respective Test Group.

3 Durability Group Description

Testgroup	Durability Group	EVAP Family	Model Name	Engine	Vehicles Class	FTP Standard	SFTP Standard	EVAP Standard	Introduction into Commerce	Engine Displacement [ccm]	Number of cylinders	Arrangement of cylinders [in-line, vshaped]	Fuel Used	Basis Fuel Metering System	GS vehicle	GS min	GS max	Type of refueling emission control system (integrated / non integrated)	Working capacity grams adsorption [g]	Fuel tank material
_BMXJ02.0B4X	V35	_BMXR0130F60	X2 sDrive28i	B46A2001	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	04/22	1998	4	in-line	gasoline	DI	7,7	7,4	9,8	I	130	hdpe
_BMXJ02.0B4X	V35	_BMXR0130F60	X2 xDrive28i	B46A2001	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	04/22	1998	4	in-line	gasoline	DI	7,7	7,4	9,8	I	130	hdpe
_BMXJ02.0B4X	V35	_BMXR0130F60	228i Gran Coupe	B46A2001	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	7,7	7,4	9,8	I	130	hdpe
_BMXJ02.0B4X	V35	_BMXR0130F60	228i xDrive Gran Coupe	B46A2001	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	7,7	7,4	9,8	I	130	hdpe
_BMXJ02.0B4X	V35	_BMXR0130F60	COOPER S CLUBMAN	B46A20M1	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	04/22	1998	4	in-line	gasoline	DI	7,7	7,4	9,8	I	130	hdpe
_BMXJ02.0B4X	V35	_BMXR0130F60	COOPER S CLUBMAN ALL4	B46A20M1	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	04/22	1998	4	in-line	gasoline	DI	7,7	7,4	9,8	I	130	hdpe
_BMXJ02.0B4X	V35	_BMXR0130F60	COOPER S COUNTRYMAN	B46A20M1	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	04/22	1998	4	in-line	gasoline	DI	7,7	7,4	9,8	I	130	hdpe
_BMXJ02.0B4X	V35	_BMXR0130F60	COOPER S COUNTRYMAN ALL4	B46A20M1	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	04/22	1998	4	in-line	gasoline	DI	7,7	7,4	9,8	I	130	hdpe
_BMXJ02.0B4X	V35	_BMXR0150G30	X3 sDrive30i	B46B2001	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	9,2	7,4	9,8	I	150	hdpe
_BMXJ02.0B4X	V35	_BMXR0150G30	X3 xDrive30i	B46B2001	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	9,2	7,4	9,8	I	150	hdpe
_BMXJ02.0B4X	V35	_BMXR0150G30	X4 xDrive30i	B46B2001	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	9,2	7,4	9,8	I	150	hdpe
_BMXJ02.0B4X	V35	_BMXR0150G30	330i Sedan	B46B2001	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	8,2	7,4	9,8	I	150	hdpe
_BMXJ02.0B4X	V35	_BMXR0150G30	330i xDrive Sedan	B46B2001	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	8,2	7,4	9,8	I	150	hdpe
_BMXJ02.0B4X	V35	_BMXR0150G30	430i Coupe	B46B2001	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	8,2	7,4	9,8	I	150	hdpe
_BMXJ02.0B4X	V35	_BMXR0150G30	430i xDrive Coupe	B46B2001	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	8,2	7,4	9,8	I	150	hdpe
_BMXJ02.0B4X	V35	_BMXR0150G30	430i Convertible	B46B2001	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	8,2	7,4	9,8	I	150	hdpe
_BMXJ02.0B4X	V35	_BMXR0150G30	430i xDrive Convertible	B46B2001	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	8,2	7,4	9,8	I	150	hdpe
_BMXJ02.0B4X	V35	_BMXR0150G30	430i Gran Coupe	B46B2001	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	8,2	7,4	9,8	I	150	hdpe
_BMXJ02.0B4X	V35	_BMXR0150G30	430i xDrive Gran Coupe	B46B2001	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	04/22	1998	4	in-line	gasoline	DI	8,2	7,4	9,8	I	150	hdpe
_BMXJ02.0B4X	V35	_BMXR0150G30	Z4 sDrive30i	B46B2001	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	12/22	1998	4	in-line	gasoline	DI	8,2	7,4	9,8	I	150	hdpe
_BMXJ02.0B4X	V35	_BMXR0150G30	530i Sedan	B46B2001	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	8,2	7,4	9,8	I	150	hdpe
_BMXJ02.0B4X	V35	_BMXR0150G30	530i xDrive Sedan	B46B2001	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	8,2	7,4	9,8	I	150	hdpe
_BMXJ02.0B4X	V35	_BMXR0150G30	Supra 2.0	B46B2001	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	8,2	7,4	9,8	I	150	hdpe
_BMXJ02.0H30	V38	_BMXR0140G3H	X3 xDrive30e	B46B2001	LDV	LEV III - SULEV 30 (TZEV) / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	10,3	8,8	11,7	NIRCO	140	steel
_BMXJ02.0H30	V38	_BMXR0140G3H	330e Sedan	B46B2001	LDV	LEV III - SULEV 30 (TZEV) / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	9,2	8,8	11,7	NIRCO	140	steel
_BMXJ02.0H30	V38	_BMXR0140G3H	330e xDrive Sedan	B46B2001	LDV	LEV III - SULEV 30 (TZEV) / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	9,2	8,8	11,7	NIRCO	140	steel
_BMXJ02.0H30	V38	_BMXR0140G3H	530e Sedan	B46B2001	LDV	LEV III - SULEV 30 (TZEV) / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DJ	10,3	8,8	11,7	NIRCO	140	steel
_BMXJ02.0H30	V38	_BMXR0140G3H	530e xDrive Sedan	B46B2001	LDV	LEV III - SULEV 30 (TZEV) / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	10,3	8,8	11,7	NIRCO	140	steel
_BMXJ03.0B58	V41	_BMXR0180G0X	X7 xDrive40i	B58B30M2	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 500 / Tier 3 - 500	08/22	2998	6	in-line	gasoline	DI, MPI	8,5	8,2	10,9	I	180	hdpe
_BMXJ03.0B58	V41	_BMXR0190G7X	740i Sedan	B58B30M2	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 400 / Tier 3 - 400	08/22	2998	6	in-line	gasoline	DI, MPI	8,5	8,2	10,9	I	190	hdpe

Application for Certification Common Section for Model Year 2023

Part 1

Issued: 12/01/21

Testgroup	Durability Group	EVAP Family	Model Name	Engine	Vehicle Class	FTP Standard	SFTP Standard	EVAP Standard	Introduction into Commerce	Engine Displacement [ccm]	Number of cylinders	Arrangement of cylinders [in-line, vshaped]	Fuel Used	Basis Fuel Metering System	GS vehicle	GS min	GS max	Type of refueling emission control system (integrated / non integrated)	Working capacity grams adsorption [g]	Fuel tank material
_BMXJ03.0G2X	V36	_BMXR0150G30	X3 M40i	B58B3001	LDT2	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	4,8	4,7	6,3	I	150	hdpe
_BMXJ03.0G2X	V36	_BMXR0150G30	X4 M40i	B58B3001	LDT2	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	4,8	4,7	6,3	I	150	hdpe
_BMXJ03.0G2X	V36	_BMXR0150G30	M340i Sedan	B58B3001	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	4,8	4,7	6,3	I	150	hdpe
_BMXJ03.0G2X	V36	_BMXR0150G30	M340i xDrive Sedan	B58B3001	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	4,8	4,7	6,3	I	150	hdpe
_BMXJ03.0G2X	V36	_BMXR0150G30	M440i Coupe	B58B3001	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	4,8	4,7	6,3	I	150	hdpe
_BMXJ03.0G2X	V36	_BMXR0150G30	M440i xDrive Coupe	B58B3001	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	4,8	4,7	6,3	I	150	hdpe
_BMXJ03.0G2X	V36	_BMXR0150G30	M440i Convertible	B58B3001	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	4,8	4,7	6,3	I	150	hdpe
_BMXJ03.0G2X	V36	_BMXR0150G30	M440i xDrive Convertible	B58B3001	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	4,8	4,7	6,3	I	150	hdpe
_BMXJ03.0G2X	V36	_BMXR0150G30	M440i Gran Coupe	B58B3001	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	4,8	4,7	6,3	I	150	hdpe
_BMXJ03.0G2X	V36	_BMXR0150G30	M440i xDrive Gran Coupe	B58B3001	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	4,8	4,7	6,3	I	150	hdpe
_BMXJ03.0G2X	V36	_BMXR0150G30	540i Sedan	B58B30M1	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	4,8	4,7	6,3	I	150	hdpe
_BMXJ03.0G2X	V36	_BMXR0150G30	540i xDrive Sedan	B58B30M1	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	4,8	4,7	6,3	I	150	hdpe
_BMXJ04.4N63	V33	_BMXR0150G1X	M850i xDrive Convertible	N63B44T3	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 400 / Tier 3 - 400	04/22	4395	8	vshaped	gasoline	DI	4,0	3,4	4,6	I	150	hdpe
_BMXJ04.4N63	V33	_BMXR0150G1X	M850i xDrive Coupe	N63B44T3	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 400 / Tier 3 - 400	04/22	4395	8	vshaped	gasoline	DI	4,0	3,4	4,6	I	150	hdpe
_BMXJ04.4N63	V33	_BMXR0150G1X	ALPINA B8 Gran Coupe	N63B44T3	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 400 / Tier 3 - 400	04/22	4395	8	vshaped	gasoline	DI	4,0	3,4	4,6	I	150	hdpe
_BMXJ04.4N63	V33	_BMXR0150G1X	M850i xDrive Gran Coupe	N63B44T3	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 400 / Tier 3 - 400	04/22	4395	8	vshaped	gasoline	DI	4,0	3,4	4,6	I	150	hdpe
_BMXJ04.4N63	V33	_BMXR0150G1X	M550i xDrive Sedan	N63B44T3	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 400 / Tier 3 - 400	08/22	4395	8	vshaped	gasoline	DI	4,0	3,4	4,6	I	150	hdpe
_BMXJ04.4N63	V33	_BMXR0180G05	X5 M50i	N63B44T3	LDT4	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 500 / Tier 3 - 500	08/22	4395	8	vshaped	gasoline	DI	4,0	3,4	4,6	I	180	hdpe
_BMXJ04.4N63	V33	_BMXR0180G05	X6 M50i	N63B44T3	LDT4	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 500 / Tier 3 - 500	08/22	4395	8	vshaped	gasoline	DI	4,0	3,4	4,6	I	180	hdpe
_BMXJ04.4568	V36	_BMXR0180G05	ALPINA XB7	S68B44T0	LDT4	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 500 / Tier 3 - 500	12/22	4395	8	vshaped	gasoline	DI	5,2	4,7	6,3	I	180	hdpe
_BMXJ04.4568	V36	_BMXR0180G05	X7 M50i	S68B44T0	LDT4	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 500 / Tier 3 - 500	08/22	4395	8	vshaped	gasoline	DI	5,2	4,7	6,3	I	180	hdpe
_BMXJ04.4568	V36	_BMXR0190G7X	760i xDrive Sedan	S68B44T0	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 400 / Tier 3 - 400	08/22	4395	8	vshaped	gasoline	DI	5,2	4,7	6,3	I	190	hdpe
_BMXJ04.45M5	V39	_BMXR0150G1X	M5 Competition Sedan	S63B44T4	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 400 / Tier 3 - 400	08/22	4395	8	vshaped	gasoline	DI	6,2	5,9	7,8	I	150	hdpe
_BMXJ04.45M5	V39	_BMXR0150G1X	M5 Sedan	S63B44T4	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 400 / Tier 3 - 400	08/22	4395	8	vshaped	gasoline	DI	6,2	5,9	7,8	I	150	hdpe
_BMXJ04.45M5	V39	_BMXR0150G1X	M8 Competition Convertible	S63B44T4	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 400 / Tier 3 - 400	04/22	4395	8	vshaped	gasoline	DI	6,2	5,9	7,8	I	150	hdpe
_BMXJ04.45M5	V39	_BMXR0150G1X	M8 Competition Coupe	S63B44T4	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 400 / Tier 3 - 400	04/22	4395	8	vshaped	gasoline	DI	6,2	5,9	7,8	I	150	hdpe
_BMXJ04.45M5	V39	_BMXR0150G1X	M8 Competition Gran Coupe	S63B44T4	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 400 / Tier 3 - 400	04/22	4395	8	vshaped	gasoline	DI	6,2	5,9	7,8	I	150	hdpe
_BMXJ04.45M5	V39	_BMXR0180G05	X5 M	S63B44T4	LDT4	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 500 / Tier 3 - 500	08/22	4395	8	vshaped	gasoline	DI	6,2	5,9	7,8	I	180	hdpe
_BMXJ04.45M5	V39	_BMXR0180G05	X5 M Competition	S63B44T4	LDT4	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 500 / Tier 3 - 500	08/22	4395	8	vshaped	gasoline	DI	6,2	5,9	7,8	I	180	hdpe
_BMXJ04.45M5	V39	_BMXR0180G05	X6 M	S63B44T4	LDT4	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 500 / Tier 3 - 500	08/22	4395	8	vshaped	gasoline	DI	6,2	5,9	7,8	I	180	hdpe
_BMXJ04.45M5	V39	_BMXR0180G05	X6 M Competition	S63B44T4	LDT4	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 500 / Tier 3 - 500	08/22	4395	8	vshaped	gasoline	DI	6,2	5,9	7,8	I	180	hdpe
_BMXT00.0I2M	--	--	iX xDrive40 (20" Wheels)	XE2109T0	LDT4	LEV III - ZEV / Tier 3 Bin 0	0,000	-----	04/22	--	--	--	electric	--	--	--	--	--	--	--
_BMXT00.0I2M	--	--	iX xDrive40 (21" Wheels)	XE2109T0	LDT4	LEV III - ZEV / Tier 3 Bin 0	0,000	-----	04/22	--	--	--	electric	--	--	--	--	--	--	--
_BMXT00.0I2M	--	--	iX xDrive40 (22" Wheels)	XE2109T0	LDT4	LEV III - ZEV / Tier 3 Bin 0	0,000	-----	04/22	--	--	--	electric	--	--	--	--	--	--	--
_BMXT00.0I2M	--	--	iX xDrive50 (20" Wheels)	XE2109T0	LDT4	LEV III - ZEV / Tier 3 Bin 0	0,000	-----	08/22	--	--	--	electric	--	--	--	--	--	--	--
_BMXT00.0I2M	--	--	iX xDrive50 (21" Wheels)	XE2109T0	LDT4	LEV III - ZEV / Tier 3 Bin 0	0,000	-----	08/22	--	--	--	electric	--	--	--	--	--	--	--
_BMXT00.0I2M	--	--	iX xDrive50 (22" Wheels)	XE2109T0	LDT4	LEV III - ZEV / Tier 3 Bin 0	0,000	-----	08/22	--	--	--	electric	--	--	--	--	--	--	--

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Testgroup	Durability Group	EVAP Family	Model Name	Engine	Vehicles Class	FTP Standard	SFTP Standard	EVAP Standard	Introduction into Commerce	Engine Displacement [ccm]	Number of cylinders	Arrangement of cylinders [in-line, vshaped]	Fuel Used	Basis Fuel Metering System	GS vehicle	GS min	GS max	Type of refueling emission control system (integrated / non-integrated)	Working capacity grams adsorption [g]	Fuel tank material
_BMXT00.0I2T	--	--	iX M60 (21" Wheels)	XE2509T0	LDT4	LEV III - ZEV / Tier 3 Bin 0	0,000		04/22	--	--	--	electric	--	--	--	--		--	
_BMXT00.0I2T	--	--	iX M60 (22" Wheels)	XE2509T0	LDT4	LEV III - ZEV / Tier 3 Bin 0	0,000		04/22	--	--	--	electric	--	--	--	--		--	
_BMXT02.0B48	V40	_BMXR0120U11	X1 xDrive28i	B48A20O2	LDT2	LEV III - SULEV 20 / Tier 3 - Bin 20	0,020	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI, MPI	8,1	6,1	8,1	I		hdpe
_BMXT03.0G0X	V33	_BMXR0180G05	X5 sDrive40i	B58B30M1	LDT3	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 500 / Tier 3 - 500	08/22	2998	6	in-line	gasoline	DI	3,9	3,4	4,6	I	180	hdpe
_BMXT03.0G0X	V33	_BMXR0180G05	X5 xDrive40i	B58B30M1	LDT3	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 500 / Tier 3 - 500	08/22	2998	6	in-line	gasoline	DI	3,9	3,4	4,6	I	180	hdpe
_BMXT03.0G0X	V33	_BMXR0180G05	X6 xDrive40i	B58B30M1	LDT3	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 500 / Tier 3 - 500	08/22	2998	6	in-line	gasoline	DI	3,9	3,4	4,6	I	180	hdpe
_BMXT03.0H05	V39	_BMXR0170H05	X5 xDrive45e	B58B30M1	LDT4	LEV III - SULEV 30 (TZEV) / Tier 3 - Bin 30	0,030	LEV III - 500 / Tier 3 - 500	08/22	2998	6	in-line	gasoline	DI	7,8	5,9	7,8	NIRCO	170	steel
_BMXT03.0558	V35	_BMXR0150G30	X3 M	S58B30T0	LDT2	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	7,7	7,4	9,8	I	150	hdpe
_BMXT03.0558	V35	_BMXR0150G30	X3 M Competition	S58B30T0	LDT2	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	7,7	7,4	9,8	I	150	hdpe
_BMXT03.0558	V35	_BMXR0150G30	X4 M	S58B30T0	LDT2	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	7,7	7,4	9,8	I	150	hdpe
_BMXT03.0558	V35	_BMXR0150G30	X4 M Competition	S58B30T0	LDT2	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	7,7	7,4	9,8	I	150	hdpe
_BMXT04.4H09	V39	_BMXR0170H09	XM	S68B44T0	LDT4	LEV III - SULEV 30 (TZEV) / Tier 3 - Bin 30	0,030	LEV III - 500 / Tier 3 - 500	12/22	4395	8	vshaped	gasoline	DI	7,0	5,9	7,8	NIRCO	170	steel
_BMXV00.0F5B	--	--	COOPER SE HARDTOP 2 DOOR	IB1P23M0	LDV	LEV III - ZEV / Tier 3 Bin 0	0,000		04/22	--	--	--	electric	--	--	--	--		--	
_BMXV00.0G25	--	--	i4 eDrive 35 Gran Coupe (18" Wheels)	HA0001N0	LDV	LEV III - ZEV / Tier 3 Bin 0	0,000		12/22	--	--	--	electric	--	--	--	--		--	
_BMXV00.0G25	--	--	i4 eDrive 35 Gran Coupe (19" Wheels)	HA0001N0	LDV	LEV III - ZEV / Tier 3 Bin 0	0,000		12/22	--	--	--	electric	--	--	--	--		--	
_BMXV00.0G25	--	--	i4 eDrive 40 Gran Coupe (18" Wheels)	HA0001N0	LDV	LEV III - ZEV / Tier 3 Bin 0	0,000		08/22	--	--	--	electric	--	--	--	--		--	
_BMXV00.0G25	--	--	i4 eDrive 40 Gran Coupe (19" Wheels)	HA0001N0	LDV	LEV III - ZEV / Tier 3 Bin 0	0,000		08/22	--	--	--	electric	--	--	--	--		--	
_BMXV00.0G2X	--	--	i4 M50 Gran Coupe (19" Wheels)	XE2A02N0	LDV	LEV III - ZEV / Tier 3 Bin 0	0,000		08/22	--	--	--	electric	--	--	--	--		--	
_BMXV00.0G2X	--	--	i4 M50 Gran Coupe (20" Wheels)	XE2A02N0	LDV	LEV III - ZEV / Tier 3 Bin 0	0,000		08/22	--	--	--	electric	--	--	--	--		--	
_BMXV00.0G7B	--	--	i7 xDrive60 Sedan (19" Wheels)	XE2A03N0	LDV	LEV III - ZEV / Tier 3 Bin 0	0,000		08/22	--	--	--	electric	--	--	--	--		--	
_BMXV00.0G7B	--	--	i7 xDrive60 Sedan (20" Wheels)	XE2A03N0	LDV	LEV III - ZEV / Tier 3 Bin 0	0,000		08/22	--	--	--	electric	--	--	--	--		--	
_BMXV00.0G7B	--	--	i7 xDrive60 Sedan (21" Wheels)	XE2A03N0	LDV	LEV III - ZEV / Tier 3 Bin 0	0,000		08/22	--	--	--	electric	--	--	--	--		--	
_BMXV01.5B36	V38	_BMXR0100F5X	COOPER HARDTOP 4 DOOR	B36A15M1	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	04/22	1499	3	in-line	gasoline	DI	8,8	8,8	11,7	I	100	hdpe
_BMXV01.5B36	V38	_BMXR0100F5X	COOPER HARDTOP 2 DOOR	B36A15M1	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	04/22	1499	3	in-line	gasoline	DI	8,8	8,8	11,7	I	100	hdpe
_BMXV01.5B36	V38	_BMXR0100F5X	COOPER CONVERTIBLE	B36A15M1	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	04/22	1499	3	in-line	gasoline	DI	8,8	8,8	11,7	I	100	hdpe
_BMXV01.5B36	V38	_BMXR0130F60	COOPER CLUBMAN ALL4	B36A15M1	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	04/22	1499	3	in-line	gasoline	DI	10,3	8,8	11,7	I	130	hdpe
_BMXV01.5B36	V38	_BMXR0130F60	COOPER COUNTRYMAN	B36A15M1	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	04/22	1499	3	in-line	gasoline	DI	8,8	8,8	11,7	I	130	hdpe
_BMXV01.5B36	V38	_BMXR0130F60	COOPER COUNTRYMAN ALL4	B36A15M1	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	04/22	1499	3	in-line	gasoline	DI	10,3	8,8	11,7	I	130	hdpe
_BMXV01.5H60	V33	_BMXR0140G3H	COOPER SE COUNTRYMAN ALL4	B38A15M0	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 300 / Tier 3 - 300	04/22	1499	3	in-line	gasoline	DI	3,6	3,4	4,6	NIRCO	130	steel
_BMXV02.0B46	V2D	_BMXR0100F5X	COOPER S HARDTOP 4 DOOR	B46A20M1	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	04/22	1998	4	in-line	gasoline	DI	7,3	5,5	7,3	I	100	hdpe
_BMXV02.0B46	V2D	_BMXR0100F5X	COOPER S HARDTOP 2 DOOR	B46A20M1	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	04/22	1998	4	in-line	gasoline	DI	7,3	5,5	7,3	I	100	hdpe
_BMXV02.0B46	V2D	_BMXR0100F5X	JOHN COOPER WORKS HARDTOP 2 DOOR	B46A20O1	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	04/22	1998	4	in-line	gasoline	DI	7,3	5,5	7,3	I	100	hdpe
_BMXV02.0B46	V2D	_BMXR0100F5X	COOPER S CONVERTIBLE	B46A20M1	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	04/22	1998	4	in-line	gasoline	DI	7,3	5,5	7,3	I	100	hdpe
_BMXV02.0B46	V2D	_BMXR0100F5X	JOHN COOPER WORKS CONVERTIBLE	B46A20O1	LDV	LEV III - SULEV 30 / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	04/22	1998	4	in-line	gasoline	DI	7,3	5,5	7,3	I	100	hdpe

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Testgroup	Durability Group	EVAP Family	Model Name	Engine	Vehicles Class	FTP Standard	SFTP Standard	EVAP Standard	Introduction into Commerce	Engine Displacement [ccm]	Number of cylinders	Arrangement of cylinders [in-line, vshaped]	Fuel Used	Basis Fuel Metering System	GS vehicle	GS min	GS max	Type of refueling emission control system (integrated / non integrated)	Working capacity grams adsorption [g]	Fuel tank material
_BMXV02.0M48	V32	_BMXR0130F60	X2 M35i	B48A20T1	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 300 / Tier 3 - 300	04/22	1998	4	in-line	gasoline	DI	2,7	2,5	3,3	I	130	hdpe
_BMXV02.0M48	V32	_BMXR0130F60	M235i xDrive Gran Coupe	B48A20T1	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	2,7	2,5	3,3	I	130	hdpe
_BMXV02.0M48	V32	_BMXR0130F60	JOHN COOPER WORKS CLUBMAN ALL4	B48A20T1	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 300 / Tier 3 - 300	04/22	1998	4	in-line	gasoline	DI	2,7	2,5	3,3	I	130	hdpe
_BMXV02.0M48	V32	_BMXR0130F60	JOHN COOPER WORKS COUNTRYMAN ALL4	B48A20T1	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 300 / Tier 3 - 300	04/22	1998	4	in-line	gasoline	DI	2,7	2,5	3,3	I	130	hdpe
_BMXV02.0M48	V32	_BMXR0150G30	230i Coupe	B48B20O1	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	2,7	2,5	3,3	I	150	hdpe
_BMXV02.0M48	V32	_BMXR0150G30	230i xDrive Coupe	B48B20O1	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 300 / Tier 3 - 300	08/22	1998	4	in-line	gasoline	DI	3,1	2,5	3,3	I	150	hdpe
_BMXV03.0B07	V33	_BMXR0150G30	840i Convertible	B58B30M1	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 300 / Tier 3 - 300	04/22	2998	6	in-line	gasoline	DI	3,4	3,4	4,6	I	150	hdpe
_BMXV03.0B07	V33	_BMXR0150G30	840i xDrive Convertible	B58B30M1	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 300 / Tier 3 - 300	04/22	2998	6	in-line	gasoline	DI	3,4	3,4	4,6	I	150	hdpe
_BMXV03.0B07	V33	_BMXR0150G30	840i Coupe	B58B30M1	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 300 / Tier 3 - 300	04/22	2998	6	in-line	gasoline	DI	3,4	3,4	4,6	I	150	hdpe
_BMXV03.0B07	V33	_BMXR0150G30	840i xDrive Coupe	B58B30M1	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 300 / Tier 3 - 300	04/22	2998	6	in-line	gasoline	DI	3,4	3,4	4,6	I	150	hdpe
_BMXV03.0B07	V33	_BMXR0150G30	840i Gran Coupe	B58B30M1	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 300 / Tier 3 - 300	04/22	2998	6	in-line	gasoline	DI	3,4	3,4	4,6	I	150	hdpe
_BMXV03.0B07	V33	_BMXR0150G30	840i xDrive Gran Coupe	B58B30M1	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 300 / Tier 3 - 300	04/22	2998	6	in-line	gasoline	DI	3,4	3,4	4,6	I	150	hdpe
_BMXV03.0B5X	V36	_BMXR0150G30	Z4 M40i	B58B30O1	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	12/22	2998	6	in-line	gasoline	DI	4,8	4,7	6,3	I	150	hdpe
_BMXV03.0B5X	V36	_BMXR0150G30	M240i Coupe	B58B30O1	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	4,8	4,7	6,3	I	150	hdpe
_BMXV03.0B5X	V36	_BMXR0150G30	M240i xDrive Coupe	B58B30O1	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	4,8	4,7	6,3	I	150	hdpe
_BMXV03.0B5X	V36	_BMXR0150G30	Supra 3.0	B58B30O1	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	4,8	4,7	6,3	I	150	hdpe
_BMXV03.0H70	V41	_BMXR0180G7H	750e xDrive Sedan	B58B30U2	LDV	LEV III - SULEV 30 (TZEVI) / Tier 3 - Bin 30	0,030	LEV III - 300 / Tier 3 - 300	12/22	2998	6	in-line	gasoline	DI, MPI	8,5	8,2	10,9	NI/RCO	180	steel
_BMXV03.0SM3	V35	_BMXR0150G30	M3 Competition M xDrive Sedan	S58B30T0	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	9,5	7,4	9,8	I	150	hdpe
_BMXV03.0SM3	V35	_BMXR0150G30	M3 Competition Sedan	S58B30T0	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	9,5	7,4	9,8	I	150	hdpe
_BMXV03.0SM3	V35	_BMXR0150G30	M3 Sedan	S58B30O0	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	9,5	7,4	9,8	I	150	hdpe
_BMXV03.0SM3	V35	_BMXR0150G30	M4 Competition Coupe	S58B30T0	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	9,5	7,4	9,8	I	150	hdpe
_BMXV03.0SM3	V35	_BMXR0150G30	M4 Competition M xDrive Coupe	S58B30T0	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	9,5	7,4	9,8	I	150	hdpe
_BMXV03.0SM3	V35	_BMXR0150G30	M4 Coupe	S58B30O0	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	9,5	7,4	9,8	I	150	hdpe
_BMXV03.0SM3	V35	_BMXR0150G30	M4 CSL Coupe	S58B30T0	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	9,5	7,4	9,8	I	150	hdpe
_BMXV03.0SM3	V35	_BMXR0150G30	M4 Competition M xDrive Convertible	S58B30T0	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	08/22	2998	6	in-line	gasoline	DI	9,5	7,4	9,8	I	150	hdpe
_BMXV03.0SM3	V35	_BMXR0150G30	M2 Coupe	S58B30T0	LDV	LEV III - ULEV 70 / Tier 3 - Bin 70	0,070	LEV III - 300 / Tier 3 - 300	12/22	2998	6	in-line	gasoline	DI	9,5	7,4	9,8	I	150	hdpe
_RRGV06.7N74	V33	_RRGR0170RR1	Phantom	N74B68U2	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 400 / Tier 3 - 400	08/22	6749	12	vshaped	gasoline	DI	3,5	3,4	4,6	I	170	steel
_RRGV06.7N74	V33	_RRGR0170RR1	Phantom Extended	N74B68U2	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 400 / Tier 3 - 400	08/22	6749	12	vshaped	gasoline	DI	3,5	3,4	4,6	I	170	steel
_RRGV06.7N74	V33	_RRGR0170RR1	Ghost	N74B68U2	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 400 / Tier 3 - 400	08/22	6749	12	vshaped	gasoline	DI	3,7	3,4	4,6	I	170	steel
_RRGV06.7N74	V33	_RRGR0170RR1	Black Badge Ghost	N74B68U2	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 400 / Tier 3 - 400	08/22	6749	12	vshaped	gasoline	DI	3,7	3,4	4,6	I	170	steel
_RRGV06.7N74	V33	_RRGR0170RR1	Ghost Extended	N74B68U2	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 400 / Tier 3 - 400	08/22	6749	12	vshaped	gasoline	DI	3,7	3,4	4,6	I	170	steel
_RRGV06.7N74	V33	_RRGR0170RR1	Cullinan	N74B68U2	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 400 / Tier 3 - 400	08/22	6749	12	vshaped	gasoline	DI	3,7	3,4	4,6	I	170	steel
_RRGV06.7N74	V33	_RRGR0170RR1	Black Badge Cullinan	N74B68U2	LDV	LEV III - ULEV 125 / Tier 3 - Bin 125	0,125	LEV III - 400 / Tier 3 - 400	08/22	6749	12	vshaped	gasoline	DI	3,7	3,4	4,6	I	170	steel

4 Description of vehicles covered by certificate and test parameters**4.1 Vehicle parameters**

Please refer to Section 12 of the respective vehicle application for certification.

4.2 Test parameters**4.2.1 Engine Starting Procedures**

Vehicles with starting button:

Insert the remote-control unit all the way into the ignition lock. Depress the brake pedal or the clutch (manual transmission). For vehicles without ignition lock just place down the key inside the vehicle. Briefly press the start/stop button. Do not press the accelerator pedal.

Ignition on: Pressing the start/stop button without depressing the brake pedal.

4.2.2 Shift Schedules

All models with manual transmission were tested using the standard shift points (15/25/40/45/50 mph) according AC 72A.

5 Confidential Information

6 California ARB Information**6.1 Statements****6.1.1 Drivability**

The 2023 model year BMW vehicles do satisfy our customary drivability performance requirements for vehicles sold in the United States.

6.1.2 Label Durability

BMW states that the tune-up labels are designed to be durable for the vehicles total expected life, under the conditions in the area where the labels are attached. Typical vehicle environmental conditions shall include, but are not limited to, exposure to engine lubricants and coolants, under hood temperatures, steam cleaning, and paints or paint solvents.

6.1.3 Fill Pipe

BMW states that all vehicles meet the requirements described in Specifications for Fill Pipes and openings of 2015 and subsequent model motor vehicle fuel tanks as last amended May 31, 2019.

6.1.4 Production Vehicles versus Test Vehicles

BMW states that regarding the emission control systems and all related parameters, the production vehicles will be identical to the test vehicles which are used for certification testing.

6.1.5 Continuity of Emissions in the temperature range of 20 to 86 Degrees F

BMW states that there is no discontinuity in emissions of NMOG, CO, NOx and HCHO measured on the Federal Test Procedure in the temperature range of 20 to 86 degrees F.

6.1.6 High Altitude Requirements

The computer-controlled multipoint fuel injection system meters fuel based on air mass flow and is self-compensating. Therefore, all BMW test groups comply with the high-altitude requirements. (see Mail Out 86-23)

For vehicles that comply with the cold temperature NMHC standards described in § 86.1811-10 (g) and the CO₂, N₂O, and CH₄ exhaust emission standards described in § 86.1818-12, BMW herewith states that common calibration approaches are utilized at high altitudes.

6.1.7 Test and Service Accumulation Fuel

All fuels used for emission certification testing or service accumulation comply with applicable regulation.

6.1.8 Lubricants

All lubricants to be used in test vehicles comply with applicable regulations. There are no differences between proposed vehicle lubricants and proposed production vehicle lubricants.

6.1.9 Test Facility and Equipment

The facility and equipment to be used for mileage accumulation and emission testing comply with all applicable regulations.

6.1.10 Emission Control System

BMW states that the emission control systems cause no increase in toxic or noxious emissions and creates no unsafe conditions from its use or malfunction.

6.1.11 Compliance with Applicable Emission Standards

BMW has tested the vehicles or caused the vehicles to be tested according to the prescribed (or approved) test procedures and based on such tests BMW has determined that the test vehicles comply with all applicable emission standards.

6.1.12 Unscheduled Maintenance

6.1.12.1 Diagnostic Procedures

In the event of an unscheduled maintenance on one of the certification test vehicles might become necessary, BMW uses the on-board and service diagnostic system.

6.1.12.2 Procedures for Evaluating Drivability

During mileage accumulation of our certification test vehicles, at the various test facilities, all personnel involved are instructed to report any abnormal vehicle performance.

Drivability evaluation and diagnosis of drivability problems are performed by means of an engineering judgment attained through the joint efforts of a certification task force, consisting of highly qualified and experienced members of BMW's certification sections.

To assist in the decision making, the "Trouble Shooting Guide" and service manuals for transmission, rear axle, etc. are being used.

6.1.12.3 Blanket Approval List

BMW does not anticipate any allowable unscheduled maintenance on items, other than those listed in MSAPC Advisory Circular No. 4A - 1.

6.1.12.4 Warranty Statement

BMW states that the Emission Control System Warranty complies with the Paragraphs contained in the provisions of Title 13 of California Code of Federal Regulations, Chapter 1, Article 6.

A sample of the warranty statement can be found under Section 6.6.

6.1.13 Fuel Economy and Environment Label

BMW affixes the Federal Fuel Economy and Environment Label in accordance with 40 CFR Parts 85, 86, and 600 as promulgated on July 6, 2011 (in lieu of CA EP Labels)

6.2 Fill Pipe Specification

Information separately uploaded into E-DMS.

6.3 Projected Sales

Please refer to Common Section, Section 5.2

6.4 Bench Test Procedure**6.4.1 Description of Bench Test Procedure**

Please refer to Common Section, Section 5.3.

6.4.2 Fuel Tank Temperature and Pressure Profile

Please refer to application of the respective vehicle application.

6.4.3 EPA Profile and Ambient Conditions

The temperature correction was conducted in accordance with the Federal Evaporative Emission Standards and Test Procedures after the following equation:

$$T_{i \text{ profile}} = T_i - T_o$$

T_i is the series of observed liquid fuel temperature during the drive (°F) where i is the incremental measurement in time

T_o is the liquid fuel temperature observed at the start of the specified driving schedule (°F).

$T_{i \text{ profile}}$ is the series of temperatures that comprise the relative temperature profile

6.5 Parts List

Please refer to Part 2 of the respective vehicle application.

6.6 Warranty Statements

Sample BMW California Warranty Statement from MY2023 Service & Warranty Books.

CALIFORNIA EMISSION CONTROL WARRANTY STATEMENT* YOUR WARRANTY RIGHTS AND OBLIGATIONS

The California Air Resources Board and BMW of North America, LLC (BMW NA) are pleased to explain the emission control system warranty on your 2023 vehicle. In California, new motor vehicles must be designed, built and equipped to meet the State's stringent anti-smog standards. BMW NA must warrant the emission control system on your vehicle for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your vehicle.

*The California Emissions Control System Limited Warranty applies to all 2023 U.S. specification BMW vehicles registered in California, Colorado, Connecticut, Delaware, Maine, Maryland, Massachusetts, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Vermont or Washington. Vehicles covered by this warranty are also covered by the Federal Emission Warranty.

Your emission control system may include parts such as the fuel injection system, the ignition system, catalytic converter, and engine computer. Also included may be hoses, belts, connectors and other emission related assemblies.

Where a warrantable condition exists, BMW NA will repair your vehicle at no cost to you including diagnosis, parts and labor.

MANUFACTURER'S WARRANTY COVERAGE

- For 3 years or 50,000 miles, whichever occurs first:
 1. If your vehicle fails a Smog Check inspection, all necessary repairs and adjustments will be made by BMW NA to ensure that your vehicle passes the inspection. This is your emission control system **PERFORMANCE WARRANTY**.
 2. If any emission related part on your vehicle is defective, the part will be repaired or replaced by BMW NA. This is your short-term emission control system **DEFECTS WARRANTY**.
- For 7 years or 70,000 miles, whichever occurs first:

If an emission related part specially noted on page xx as having coverage for 7 years or 70,000 miles is defective, the part will be repaired or replaced by BMW NA. This is your long-term emission control system **DEFECTS WARRANTY**.

Warranty repairs do not constitute an extension of the original limited warranty period for the vehicle or a part thereof.

Owner's Warranty Responsibilities:

- As the vehicle owner, you are responsible for the performance of the required maintenance listed in your Maintenance booklet. BMW NA recommends that you retain all receipts covering maintenance on your vehicle, but BMW NA cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.
- You are responsible for presenting your vehicle to an authorized BMW center as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.
- As the vehicle owner, you should also be aware that BMW NA may deny your warranty coverage if your vehicle or part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

If you have any questions regarding your warranty rights and responsibilities, you should contact:

BMW of North America, LLC
Customer Relations and Services Department
P.O. Box 1227
Westwood, NJ 07675-1227

Telephone: 1 800 831-1117

Email: customerrelations@bmwusa.com

Website: www.bmwusa.com or the
California Air Resources Board
9528 Telstar Avenue El Monte, CA 91731