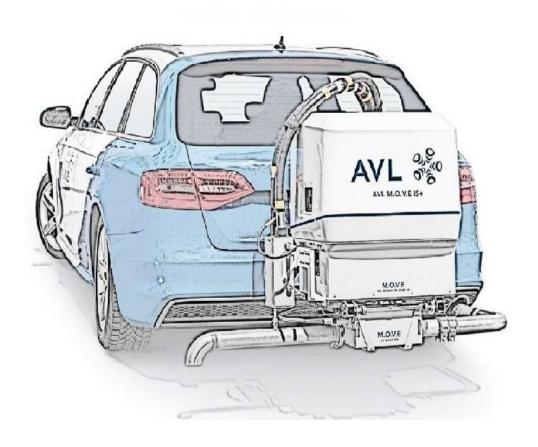# COMMISSION REGULATION (UN) 168

Measurement Files:

LD_MOVE_plus_37_9.ctf
LD_MOVE_PRE.001
LD_MOVE_MAIN.001
LD_MOVE_POST.001

Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278)	Test Id: Test_AVL / XXX	ECU velocity factor: 1.00000	
Concerto Serial Number: 998.00	Engine: Demo Engine / Type	extended cond.: 0.00 % (0.00 % cold start)	Page: n/a
MOVE Version: V2.9_234	Engine at test start: cold / fuel: Diesel	Propulsion Type: ICE	
Windows Version: MicrosoftWindows11Enterprise	Euro 6e / EA	Test Start: 2021-02-12/08:52:27	Test: 2 fails
	UN LD 168 - Certification	Printout: 2025-10-31/19:06:07	

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NO, NO2 and NOx

AVL

Legend:
- – – – drift corrected
- —— not drift corrected

The effective molar mass of NOx is defined by the molar mass of nitrogen dioxide, NO2.

Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278)	Test Id: Test_AVL / XXX	ECU velocity factor: 1.00000	Page	n/a
Concerto Serial Number: 998.00	Engine: Demo Engine / Type	extended cond.: 0.00 % (0.00 % cold start)		
MOVE Version: V2.9_234	Engine at test start: cold / fuel: Diesel	Propulsion Type: ICE		
Windows Version: MicrosoftWindows11Enterprise	Euro 6e / EA	Test Start: 2021-02-12/08:52:27	Test	2 fails
	UN LD 168 - Certification	Printout: 2025-10-31/19:06:07		

Calibration: Span - Zero: NO/NO2

NO Zero

NO Zero [ppm]: 0.16, 0.15, 0.14

0.15 (PRE) — 0.15 (POST)

NO Span [ppm]: 5000, 3000, 1000, -1000

TEST_PHASES: PRE, MAIN, POST

NO2 Zero

NO2 Zero [ppm]: 0.17, 0.16, 0.15

0.16 (PRE) — 0.16 (POST)

NO2 Span [ppm]: 2500, 1500, 500, -500

TEST_PHASES: PRE, MAIN, POST
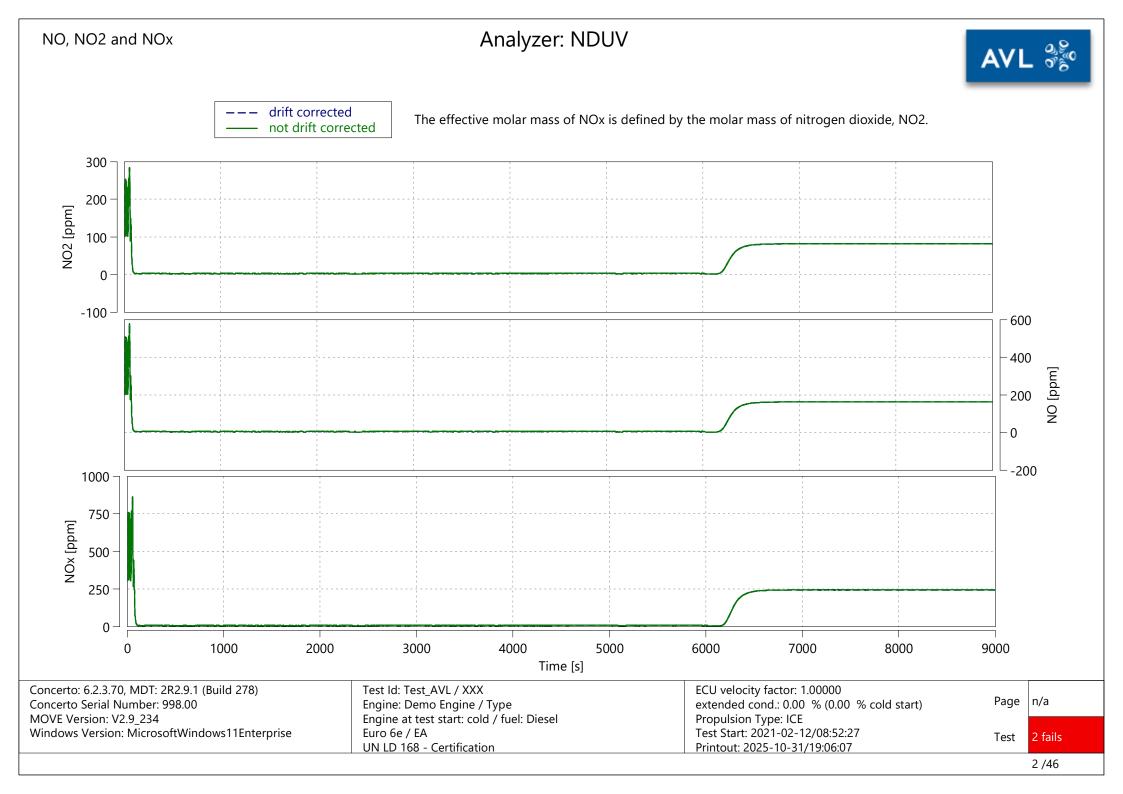
Date	Age	Bottle ID
2021-02-12	0	IDBOTT1

- ■ Span_NO#NO_Cal_gas_value
- ■ Span_NO#NO_Adjust_Actual
- ■ Span_NO#NO_Reference
- ■ Span_NO#NO_Audit_Actual

Value	Channel	Date	Age
4862.0	NO_Cal_gas_value	2021-02-12	1
4862.6	NO_Adjust_Actual	2021-02-12	1
4862.0	NO_Reference	2021-02-12	1
4864.0	NO_Audit_Actual	2021-02-12	1

Date	Age	Bottle ID
2021-02-12	0	IDBOTT4

- ■ Span_NO2#NO2_Cal_gas_value
- ■ Span_NO2#NO2_Adjust_Actual
- ■ Span_NO2#NO2_Reference
- ■ Span_NO2#NO2_Audit_Actual

Value	Channel	Date	Age
2353.0	NO2_Cal_gas_value	2021-02-12	1
2354.1	NO2_Adjust_Actual	2021-02-12	1
2353.0	NO2_Reference	2021-02-12	1
2351.9	NO2_Audit_Actual	2021-02-12	1

Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278)
Concerto Serial Number: 998.00
MOVE Version: V2.9_234
Windows Version: MicrosoftWindows11Enterprise

Test Id: Test_AVL / XXX
Engine: Demo Engine / Type
Engine at test start: cold / fuel: Diesel
Euro 6e / EA
UN LD 168 - Certification

ECU velocity factor: 1.00000
extended cond.: 0.00 % (0.00 % cold start)
Propulsion Type: ICE
Test Start: 2021-02-12/08:52:27
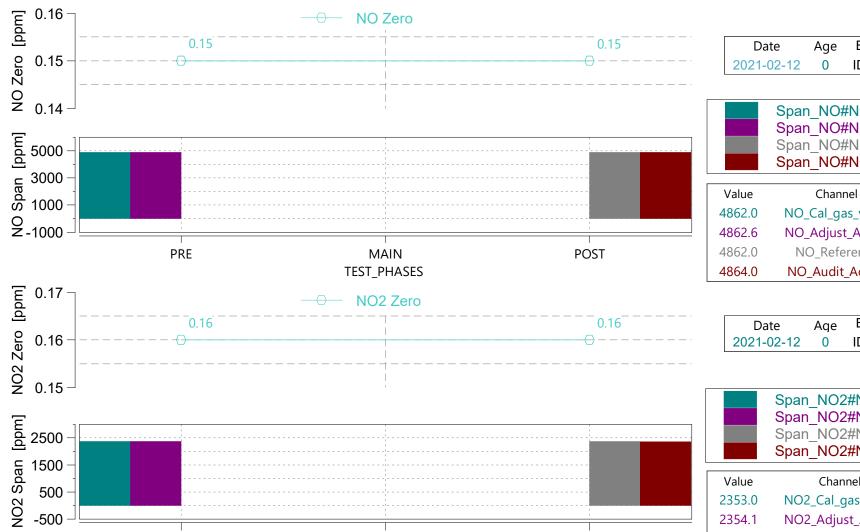Printout: 2025-10-31/19:06:07
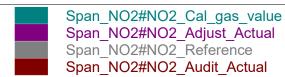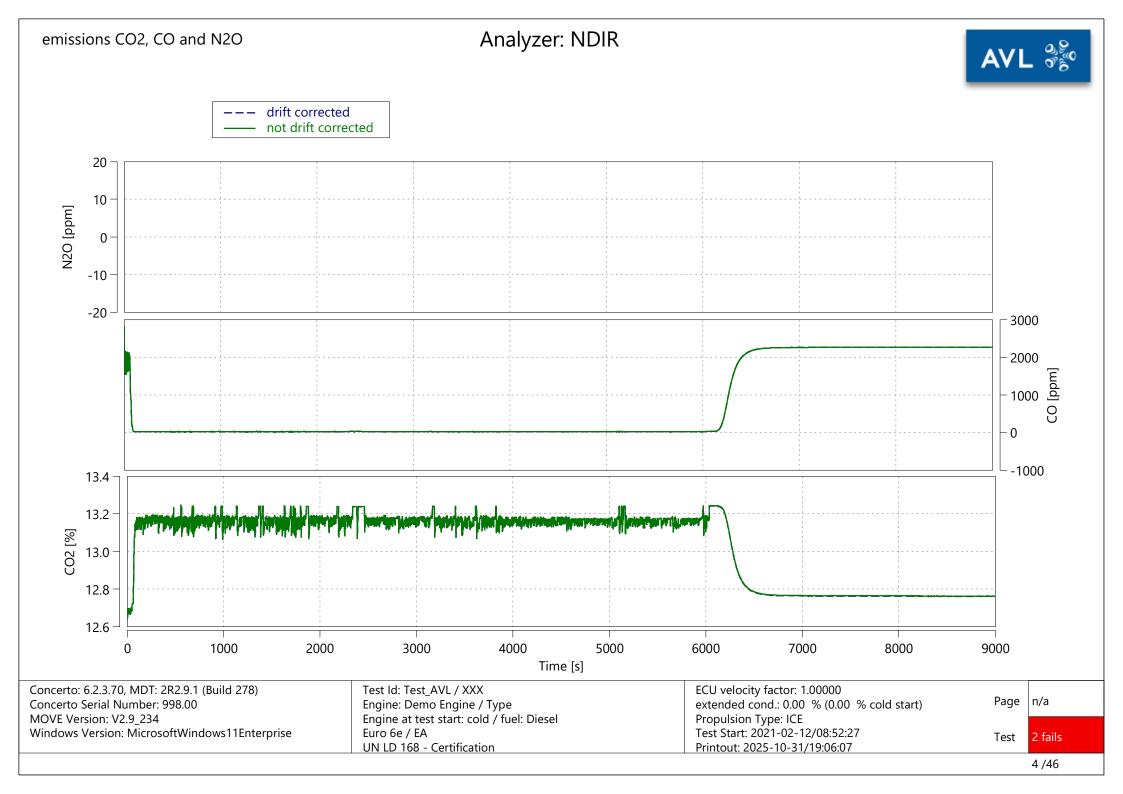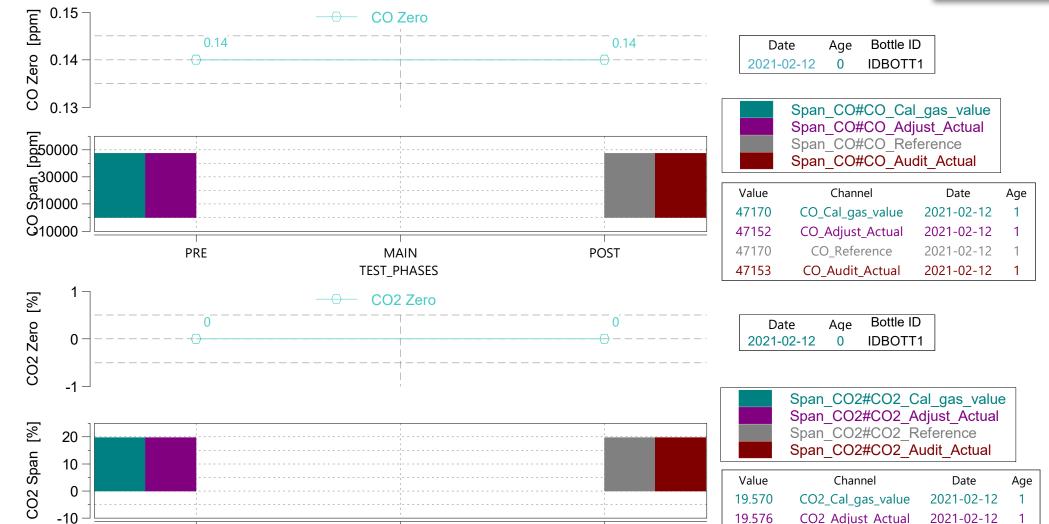
Page: n/a

Test: 2 fails

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Analyzer: NDIR

AVL

Legend:
- - - - drift corrected
- ——— not drift corrected

Calibration: Span - Zero: CO/CO2

AVL

CO Zero [ppm] chart:
- CO Zero
- 0.14 (PRE)
- 0.14 (POST)

Date	Age	Bottle ID
2021-02-12	0	IDBOTT1

Legend:
- Span_CO#CO_Cal_gas_value
- Span_CO#CO_Adjust_Actual
- Span_CO#CO_Reference
- Span_CO#CO_Audit_Actual

Value	Channel	Date	Age
47170	CO_Cal_gas_value	2021-02-12	1
47152	CO_Adjust_Actual	2021-02-12	1
47170	CO_Reference	2021-02-12	1
47153	CO_Audit_Actual	2021-02-12	1

CO Span [ppm] chart — TEST_PHASES: PRE, MAIN, POST

CO2 Zero [%] chart:
- CO2 Zero
- 0 (PRE)
- 0 (POST)

Date	Age	Bottle ID
2021-02-12	0	IDBOTT1

Legend:
- Span_CO2#CO2_Cal_gas_value
- Span_CO2#CO2_Adjust_Actual
- Span_CO2#CO2_Reference
- Span_CO2#CO2_Audit_Actual

Value	Channel	Date	Age
19.570	CO2_Cal_gas_value	2021-02-12	1
19.576	CO2_Adjust_Actual	2021-02-12	1
19.570	CO2_Reference	2021-02-12	1
19.570	CO2_Audit_Actual	2021-02-12	1

CO2 Span [%] chart — TEST_PHASES: PRE, MAIN, POST

Page: n/a

Test: 2 fails

Legend:
- – – – drift corrected
- —— not drift corrected

Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278)	Test Id: Test_AVL / XXX	ECU velocity factor: 1.00000	Page	n/a
Concerto Serial Number: 998.00	Engine: Demo Engine / Type	extended cond.: 0.00 % (0.00 % cold start)		
MOVE Version: V2.9_234	Engine at test start: cold / fuel: Diesel	Propulsion Type: ICE		
Windows Version: MicrosoftWindows11Enterprise	Euro 6e / EA	Test Start: 2021-02-12/08:52:27	Test	2 fails
	UN LD 168 - Certification	Printout: 2025-10-31/19:06:07		

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Calibration: Span - Zero: THC/CH4

AVL

Date	Age	Bottle ID
2021-02-12	0	IDBOTT2

- ■ Span_THC#THC_Cal_gas_value
- ■ Span_THC#THC_Adjust_Actual
- ■ Span_THC#THC_Reference
- ■ Span_THC#THC_Audit_Actual

Value	Channel	Date	Age
5958.0	THC_Cal_gas_value	2021-02-12	1
5959.9	THC_Adjust_Actual	2021-02-12	1
5958.0	THC_Reference	2021-02-12	1
5955.6	THC_Audit_Actual	2021-02-12	1

Date	Age	Bottle ID
2021-02-12	0	IDBOTT3

- ■ Span_CH4#CH4_Cal_gas_value
- ■ Span_CH4#CH4_Adjust_Actual
- ■ Span_CH4#CH4_Reference
- ■ Span_CH4#CH4_Audit_Actual

Value	Channel	Date	Age
9359.0	CH4_Cal_gas_value	2021-02-12	1
9355.5	CH4_Adjust_Actual	2021-02-12	1
9359.0	CH4_Reference	2021-02-12	1
9359.4	CH4_Audit_Actual	2021-02-12	1

Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278)	Test Id: Test_AVL / XXX	ECU velocity factor: 1.00000	Page	n/a
Concerto Serial Number: 998.00	Engine: Demo Engine / Type	extended cond.: 0.00 % (0.00 % cold start)		
MOVE Version: V2.9_234	Engine at test start: cold / fuel: Diesel	Propulsion Type: ICE	Test	2 fails
Windows Version: MicrosoftWindows11Enterprise	Euro 6e / EA	Test Start: 2021-02-12/08:52:27		
	UN LD 168 - Certification	Printout: 2025-10-31/19:06:07		

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Analyzer: PN, O2, NH3

Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278)	Test Id: Test_AVL / XXX	ECU velocity factor: 1.00000	Page	n/a
Concerto Serial Number: 998.00	Engine: Demo Engine / Type	extended cond.: 0.00 % (0.00 % cold start)		
MOVE Version: V2.9_234	Engine at test start: cold / fuel: Diesel	Propulsion Type: ICE	Test	2 fails
Windows Version: MicrosoftWindows11Enterprise	Euro 6e / EA	Test Start: 2021-02-12/08:52:27		
	UN LD 168 - Certification	Printout: 2025-10-31/19:06:07		

	urban	rural	expressway	trip	
Duration	3810	****	1435	5245	s
Distance	33.47	****	30.85	64.31	km
Avg. Velocity	31.62	****	77.39	44.14	km/h
Fuel	1.90	****	0.90	2.80	kg
Exhaust Mass	26.78	****	12.66	39.44	kg

	total					distance specific					
	urban	rural	expressway	trip		urban	rural	expressway	trip	avg.	
CO [g]	1.08	****	0.24	1.32	**CO [mg/km]**	32.30	****	7.69	20.49	41.74	ppm
CO2 [g]	5345.04	****	2527.36	7872.41	**CO2 [g/km]**	159.71	****	81.93	122.41	13.16	%
N2O [g]					**N2O [mg/km]**						ppm
NO [g]	0.43	****	0.12	0.55	**NO [mg/km]**	12.73	****	3.96	8.52	9.82	ppm
NO2 [g]	0.21	****	0.06	0.28	**NO2 [mg/km]**	6.42	****	1.98	4.29	4.92	ppm
NOx [g]	0.64	****	0.18	0.82	**NOx [mg/km]**	19.16	****	5.94	12.82	14.740	ppm
PN [#]	6.613e+10	****	3.162e+10	9.775e+10	**PN [#/km]**	1.976e+09	****	1.025e+09	1.520e+09	3.087e+03	#/cm³
THC [g]	0.7622	****	0.1636	0.9258	**THC [mg/km]**	22.7751	****	5.3032	14.3949	59.2628	ppm
CH4 [g]	0.0175	****	0.0038	0.0212	**CH4 [mg/km]**	0.5226	****	0.1217	0.3303	1.1853	ppm
NMHC [g]	0.7470	****	0.1603	0.9073	**NMHC [mg/km]**	22.3196	****	5.1971	14.1070	58.0775	ppm

Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278)
Concerto Serial Number: 998.00
MOVE Version: V2.9_234
Windows Version: MicrosoftWindows11Enterprise

Test Id: Test_AVL / XXX
Engine: Demo Engine / Type
Engine at test start: cold / fuel: Diesel
Euro 6e / EA
UN LD 168 - Certification

ECU velocity factor: 1.00000
extended cond.: 0.00 % (0.00 % cold start)
Propulsion Type: ICE
Test Start: 2021-02-12/08:52:27
Printout: 2025-10-31/19:06:07

Page n/a

Test 2 fails

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emissions corrected by calibrations

	total					distance specific					
	urban	rural	expressway	trip		urban	rural	expressway	trip	avg.	
CO [g]	1.08	****	0.24	1.31	**CO [mg/km]**	32.22	****	7.64	20.43	41.63	ppm
CO2 [g]	5344.25	****	2526.99	7871.24	**CO2 [g/km]**	159.69	****	81.92	122.39	13.16	%
N2O [g]					**N2O [mg/km]**						ppm
NO [g]	0.42	****	0.12	0.54	**NO [mg/km]**	12.56	****	3.87	8.39	9.69	ppm
NO2 [g]	0.21	****	0.06	0.27	**NO2 [mg/km]**	6.24	****	1.89	4.16	4.78	ppm
NOx [g]	0.63	****	0.18	0.81	**NOx [mg/km]**	18.81	****	5.76	12.55	14.465	ppm
THC [g]	0.6855	****	0.1271	0.8126	**THC [mg/km]**	20.4826	****	4.1207	12.6348	59.2628	ppm
CH4 [g]	0.0168	****	0.0034	0.0202	**CH4 [mg/km]**	0.5006	****	0.1104	0.3134	1.1354	ppm
NMHC [g]	0.6718	****	0.1246	0.7963	**NMHC [mg/km]**	20.0729	****	4.0383	12.3821	52.2525	ppm

Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278)
Concerto Serial Number: 998.00
MOVE Version: V2.9_234
Windows Version: MicrosoftWindows11Enterprise

Test Id: Test_AVL / XXX
Engine: Demo Engine / Type
Engine at test start: cold / fuel: Diesel
Euro 6e / EA
UN LD 168 - Certification

ECU velocity factor: 1.00000
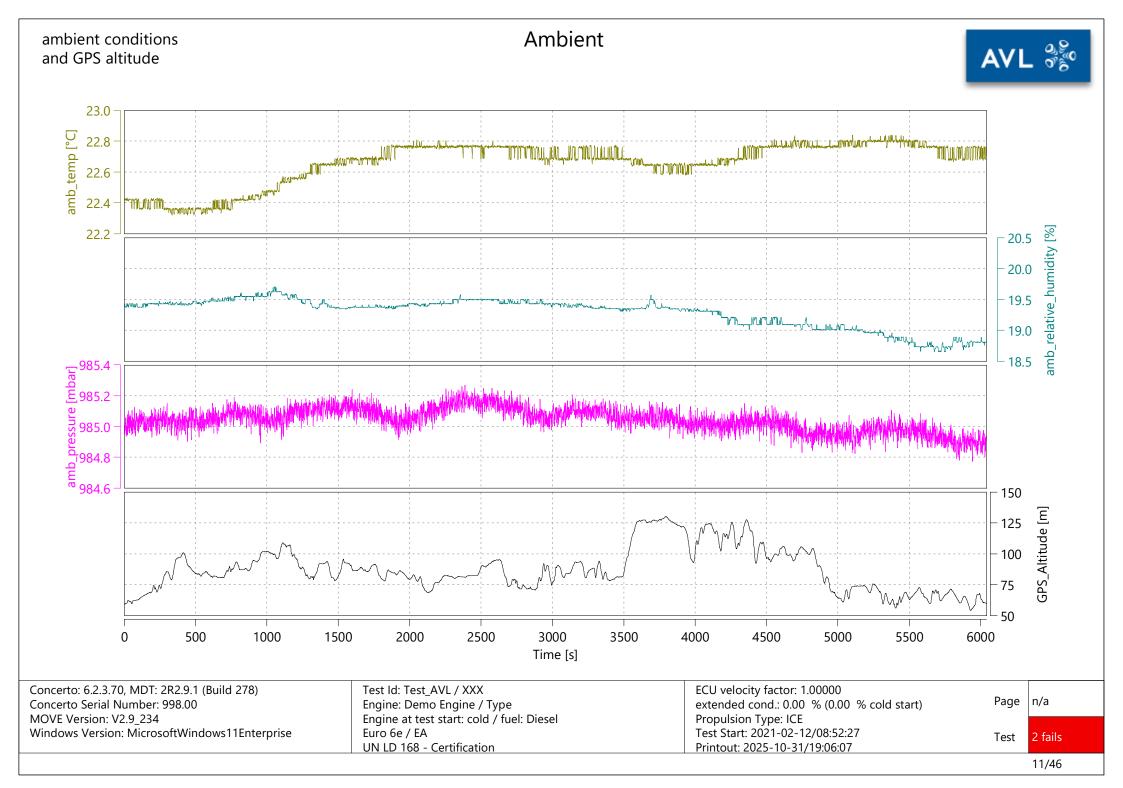extended cond.: 0.00 % (0.00 % cold start)
Propulsion Type: ICE
Test Start: 2021-02-12/08:52:27
Printout: 2025-10-31/19:06:07

Page n/a

Test 2 fails

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Ambient

Vehicle

AVL

Page n/a

Test — 2 fails

Zero/Span

AVL

§	criterion	condition	value	unit	pass/fail
6.1	Permissible analyser abs zero response drift CO2	abs zero response drift <= 2000 ppm	**0.0**	**ppm**	pass
	Permissible analyser abs span response drift CO2	abs span response drift <= 3914 ppm	**64.0**	**ppm**	pass
	Permissible analyser abs zero response drift CO	abs zero response drift <= 75 ppm	**0.0**	**ppm**	pass
	Permissible analyser abs span response drift CO	abs span response drift <= 943.4 ppm	**0.7**	**ppm**	pass
	Permissible analyser abs zero response drift NOx	abs zero response drift <= 3 ppm	**0.0**	**ppm**	pass
	Permissible analyser abs span response drift NOx	abs span response drift <= 144.3 ppm	**0.8**	**ppm**	pass
4.6	pre test, zero check PN: ..the final concentration shall not exceed 5 000 particles per cubic-centimetre	PN pre zero check <= 5000 #/cm3	**1235**	**#/cm3**	pass
	post test, zero check PN: ..the final concentration shall not exceed 5 000 particles per cubic-centimetre	PN post zero check <= 5000 #/cm3	**1235**	**#/cm3**	pass

Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278)
Concerto Serial Number: 998.00
MOVE Version: V2.9_234
Windows Version: MicrosoftWindows11Enterprise

Test Id: Test_AVL / XXX
Engine: Demo Engine / Type
Engine at test start: cold / fuel: Diesel
Euro 6e / EA
UN LD 168 - Certification

ECU velocity factor: 1.00000
extended cond.: 0.00 % (0.00 % cold start)
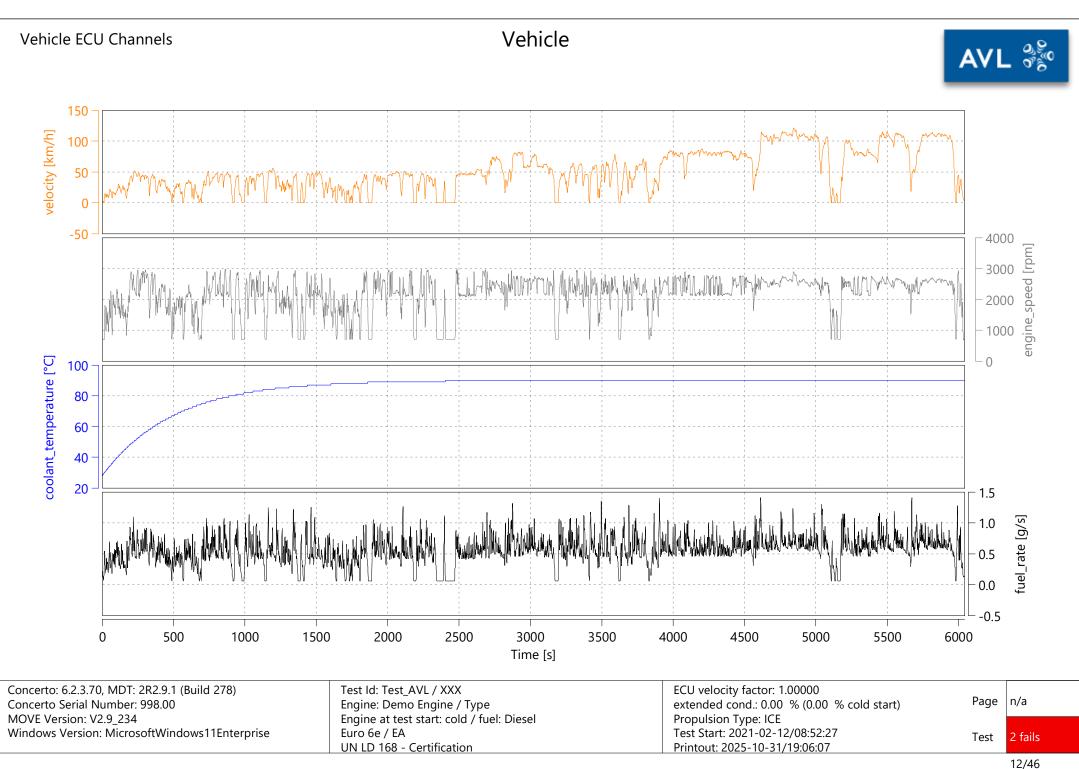Propulsion Type: ICE
Test Start: 2021-02-12/08:52:27
Printout: 2025-10-31/19:06:07

Page | pass
Test | 2 fails

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§	criterion	condition	value	unit	pass/fail
6.3	Span gas shall cover at least 90% of the conc. values from 99% of the valid parts of the emissions test. - CO2	span gas CO2 > 12 %	**19.6**	%	pass
	It is permissible that 1 % of the total number of measurements exceeds the used span gas by up to a factor of two. - CO2	(span gas < perc. measurement points <= (2 * span gas)) <= 1%	**0.0**	%	pass
	If measurement exceeds the used span gas by up to a factor of two, the test must be voided - CO2	(perc. measurement points > (2 * span gas))	**0.0**	%	pass
	Span gas shall cover at least 90% of the conc. values from 99% of the valid parts of the emissions test. - CO	span gas CO > 1391 ppm	**47170.0**	ppm	pass
	It is permissible that 1 % of the total number of measurements exceeds the used span gas by up to a factor of two. - CO	(span gas < perc. measurement points <= (2 * span gas)) <= 1%	**0.0**	%	pass
	If measurement exceeds the used span gas by up to a factor of two, the test must be voided - CO	(perc. measurement points > (2 * span gas))	**0.0**	%	pass
	Span gas shall cover at least 90% of the conc. values from 99% of the valid parts of the emissions test. - NOx	span gas NOx > 275 ppm	**7215.0**	ppm	pass
	It is permissible that 1 % of the total number of measurements exceeds the used span gas by up to a factor of two. - NOx	(span gas < perc. measurement points <= (2 * span gas)) <= 1%	**0.0**	%	pass
	If measurement exceeds the used span gas by up to a factor of two, the test must be voided - NOx	(perc. measurement points > (2 * span gas))	**0.0**	%	pass

Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278) Concerto Serial Number: 998.00 MOVE Version: V2.9_234 Windows Version: MicrosoftWindows11Enterprise	Test Id: Test_AVL / XXX Engine: Demo Engine / Type Engine at test start: cold / fuel: Diesel Euro 6e / EA UN LD 168 - Certification	ECU velocity factor: 1.00000 extended cond.: 0.00 % (0.00 % cold start) Propulsion Type: ICE Test Start: 2021-02-12/08:52:27 Printout: 2025-10-31/19:06:07		
			Page	pass
			Test	2 fails

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Vehicle conditioning for cold engine-start testing

§	criterion	condition	value	unit	pass/fail
8.3.2	The vehicle shall be driven on public roads, preferably on the same route as the planned RDE testing or for at least 10 min per type of operation	for at least 10 min per type of operation (urban, expressway) *	0 min 0 min	urban expressway	fail
	..parked with doors and bonnet closed and kept in engine-off status between 6 and 72 hours	6h <= time soak phase <= 72h	13:21	hh:mm	pass
	vehicle conditioning for cold engine start shall be within moderate or extended temperatures conditions	-7°C <= ambient temperature during soak phase <=38°C	22.1 23.2	°C	pass
10.6	If the vehicle was conditioned for the last three hours prior to the test at an average temperature that falls within the extended range, cold start emissions are divided by 1.6	if during last 3 hours of the soak phase, avg. amb. temperature has been in extended conditions [-7/0] or [35/38] °C, then a correction of 1.6 is applied to cold start	22.3	°C	not applied

			Page	fail
Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278) Concerto Serial Number: 998.00 MOVE Version: V2.9_234 Windows Version: MicrosoftWindows11Enterprise	Test Id: Test_AVL / XXX Engine: Demo Engine / Type Engine at test start: cold / fuel: Diesel Euro 6e / EA UN LD 168 - Certification	ECU velocity factor: 1.00000 extended cond.: 0.00 % (0.00 % cold start) Propulsion Type: ICE Test Start: 2021-02-12/08:52:27 Printout: 2025-10-31/19:06:07	Test	2 fails
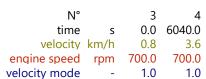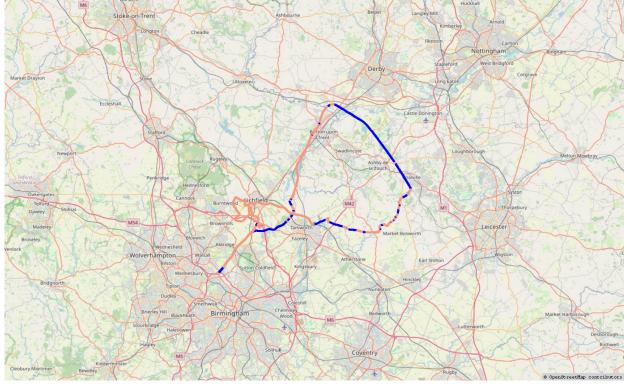
* PRECON test data shall be created with MOVE Suite version >= 19

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Test Start/End

Vehicle with internal combustion engine
criterium test start: ignition on/engine up
criterium test end: trip end

N°		3	4
time	s	0.0	6040.0
velocity	km/h	0.8	3.6
engine speed	rpm	700.0	700.0
velocity mode	-	1.0	1.0

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TEST START
s

0

TEST END
s

6040

Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278)	Test Id: Test_AVL / XXX	ECU velocity factor: 1.00000	Page	n/a
Concerto Serial Number: 998.00	Engine: Demo Engine / Type	extended cond.: 0.00 % (0.00 % cold start)		
MOVE Version: V2.9_234	Engine at test start: cold / fuel: Diesel	Propulsion Type: ICE		
Windows Version: MicrosoftWindows11Enterprise	Euro 6e / EA	Test Start: 2021-02-12/08:52:27	Test	2 fails
	UN LD 168 - Certification	Printout: 2025-10-31/19:06:07		
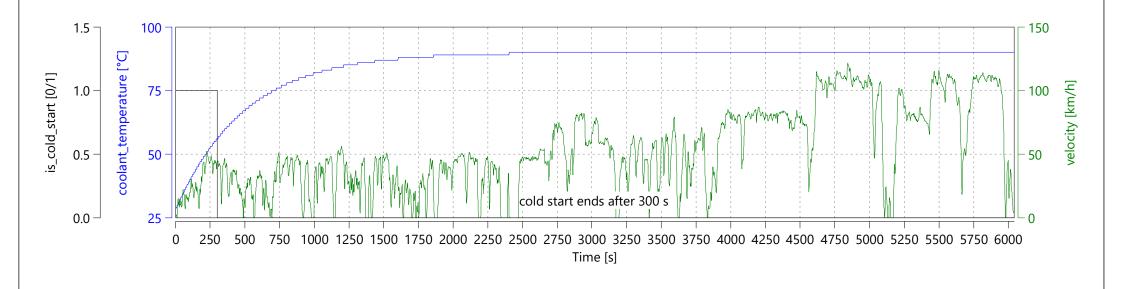
Cold Start

§	criterion	condition	value	unit	pass/fail
9.3.4	The average speed (including stops) during cold start period shall be between 15 and 40 km/h.	15 km/h <= velocity during cold start <= 40 km/h	26.19	km/h	pass
	The maximum speed during the cold start period shall not exceed 60 km/h.	max velocity during cold start <= 60 km/h	51.57	km/h	pass
	At the test start the vehicle shall move within 15 seconds.	vehicle stop @test start <= 15s	2	s	pass
	The vehicle stop during the entire cold start period shall be kept to the minimum possible and it shall not exceed in total 90s.	sum of vehicle stop times during cold start <= 90 seconds	4	s	pass
3.8.2	..shall be tested with a warm engine with engine coolant temperature and/or engine oil temperature above 70 °C	coolant temperature @test start >= 70 °C	27.67	°C	n/a

cold start ends after 300 s

Page pass

Test 2 fails

§	criterion	condition	value	unit	pass/fail
9.3.2	The trip shall always start with urban driving followed by rural and motorway driving (avg. velocity of first 16km max. 40 km/h)	urban first	YES		pass
9.2	The minimum distance of the urban operation shall be 16 km.	distance urban min 16km	33	km	pass
	The minimum distance of the expressway operation shall be 16 km.	distance expressway min 16km	31	km	pass
	The trip shall consist of approximately 55 ±10% urban. The urban driving shall however never be less than 40%.	share distance urban	52.04	%	pass
	The trip shall consist of 45 ±10% expressway	share distance expressway	47.96	%	pass

Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278)
Concerto Serial Number: 998.00
MOVE Version: V2.9_234
Windows Version: MicrosoftWindows11Enterprise

Test Id: Test_AVL / XXX
Engine: Demo Engine / Type
Engine at test start: cold / fuel: Diesel
Euro 6e / EA
UN LD 168 - Certification

ECU velocity factor: 1.00000
extended cond.: 0.00 % (0.00 % cold start)
Propulsion Type: ICE
Test Start: 2021-02-12/08:52:27
Printout: 2025-10-31/19:06:07

Page | pass
Test | 2 fails

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Trip Requirements

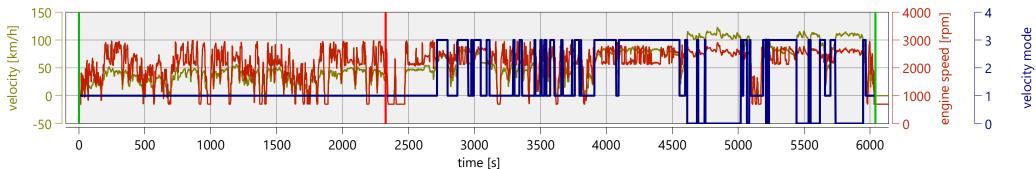| §	criterion	condition	value	unit	pass/fail
9.3.4	The average speed (including stops) of the urban driving part of the trip should be between 15 and 40 km/h.	urban driving average speed 15 -40 km/h	31.62	km/h	pass
9.3.3	Stop periods, defined by vehicle speed of less than 1 km/h, shall account for 6-30 % of the time duration of urban operation.	urban time share vehicle stop 6-30%	8.69	%	pass
	Stop periods shall not exceed 300 consecutive seconds or 30 percent urban driving time; final emissions under limit	vehicle stop max time 300s consecutive or 30% urban	66 9	s %	pass
9.3.3	The trip duration shall be between 90 and 120 minutes.	trip duration 90 - 120 minutes	87	min	fail
	The start and the end point shall not differ in their elevation above sea level by more than 100 m.	trip start/end altitude diff max 100m	1	m	pass
	The proportional cumulative positive altitude gain over the entire trip shall be less than 1200 m/100 km.	cumulative pos elevation gain trip max 1200m m/100 km	558	m/100km	pass
	The proportional cumulative positive altitude gain over the urban part of the trip shall be less than 1200 m/100 km.	cumulative pos elevation gain urban part max 1200 m/100 km.	540	m/100km	pass
8.1	Test outside ext. cond., shall be invalid only when final emissions are greater than emission limits; final emissions under limit	test performed outside extended conditions in terms of ambient temperature and altitude	NO	YES/NO	pass

Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278)
Concerto Serial Number: 998.00
MOVE Version: V2.9_234
Windows Version: MicrosoftWindows11Enterprise

Test Id: Test_AVL / XXX
Engine: Demo Engine / Type
Engine at test start: cold / fuel: Diesel
Euro 6e / EA
UN LD 168 - Certification

ECU velocity factor: 1.00000
extended cond.: 0.00 % (0.00 % cold start)
Propulsion Type: ICE
Test Start: 2021-02-12/08:52:27
Printout: 2025-10-31/19:06:07

Page | fail
Test | 2 fails

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Consistency check of Vehicle Altitude

GPS Altitude

AVL

Legend:
- Number GPS Satellites
- GPS State [1-valid / 0-invalid]
- Altitude

(*) according to EU 2017/1151 - ANNEX IIIA App. 4 (6)

Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278)	Test Id: Test_AVL / XXX	ECU velocity factor: 1.00000
Concerto Serial Number: 998.00	Engine: Demo Engine / Type	extended cond.: 0.00 % (0.00 % cold start)
MOVE Version: V2.9_234	Engine at test start: cold / fuel: Diesel	Propulsion Type: ICE
Windows Version: MicrosoftWindows11Enterprise	Euro 6e / EA	Test Start: 2021-02-12/08:52:27
	UN LD 168 - Certification	Printout: 2025-10-31/19:06:07

Page n/a

Test 2 fails

Consistency check of Vehicle Altitude

GPS Altitude

Legend:
- Altitude GPS raw
- Altitude GPS loss corrected
- Altitude topographical map
- Altitude used for positive elevation gain calculation
- Altitude abs(GPS-topographical map) > 40m

Page n/a

Test 2 fails

§	criterion	condition	value	unit	pass/fail
4.7	The total trip distance as calculated from the corrected GPS data shall deviate by no more than 4 % from the reference.	difference GPS distance (64.299 km) vs. ECU distance (64.314 km) <= 4%	0.0	%	pass
6.5	The corrected GPS data shall not exceed an uninterrupted time period of 120 s.	GPS loss max time <= 120s	0	s	pass
	The corrected GPS data shall not exceed a total of 300 s	GPS loss toal time <= 300 s	0	s	pass

velocity used: ECU
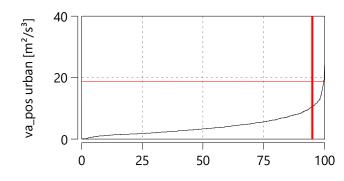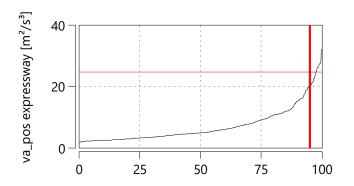
Page pass | Test 2 fails

Verification of trip dynamics based on vehicle velocity and acceleration

AVL

§	criterion	condition	value	unit	pass/fail
3.1.3.1	The number of datasets with acceleration values ai>0.1m/s2 shall be bigger or equal to 100 in the urban speed bin.	npoints(a_pos) >= 100	1429		pass
	The number of datasets with acceleration values ai>0.1m/s2 shall be bigger or equal to 100 in the expressway speed bin.	npoints(a_pos) >= 100	448		pass
4.1.1	Verification of va_pos95 per speed bin.	va_pos urban <= 18.741 $[m^2/s^3]$	10.433	m^2/s^3	pass
	Verification of va_pos95 per speed bin.	va_pos expressway <= 24.708 $[m^2/s^3]$	19.965	m^2/s^3	pass
4.1.2	Verification of RPA per speed bin.	RPA urban >= 0.125 $[m/s^2]$	0.176	m/s^2	pass
	Verification of RPA per speed bin.	RPA expressway >= 0.052 $[m/s^2]$	0.104	m/s^2	pass

Test Id: Test_AVL / XXX
Engine: Demo Engine / Type
Engine at test start: cold / fuel: Diesel
Euro 6e / EA
UN LD 168 - Certification

ECU velocity factor: 1.00000
extended cond.: 0.00 % (0.00 % cold start)
Propulsion Type: ICE
Test Start: 2021-02-12/08:52:27
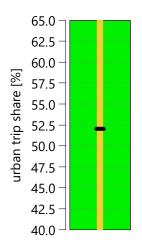Printout: 2025-10-31/19:06:07
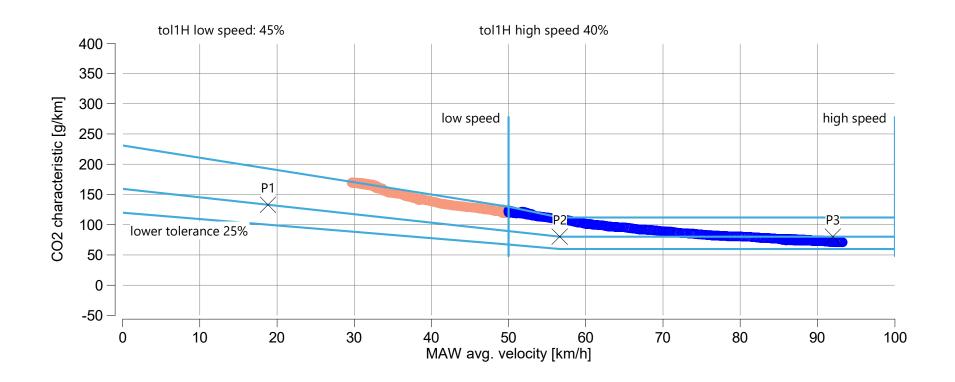
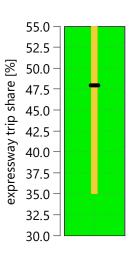| Page	pass
Test	2 fails

Test Validity

AVL

Verification of overall trip dynamics using the moving averaging window method

§	criterion	condition	value	unit	pass/fail
App8 4.5.1.2	At least 50% of the low speed windows shall be within the tolerances defined for the CO2 characteristic.	50% valid low speed windows	**85.31**	**%**	pass
	At least 50% of the high speed windows shall be within the tolerances defined for the CO2 characteristic.	50% valid high speed	**99.62**	**%**	pass

Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278)
Concerto Serial Number: 998.00
MOVE Version: V2.9_234
Windows Version: MicrosoftWindows11Enterprise

Test Id: Test_AVL / XXX
Engine: Demo Engine / Type
Engine at test start: cold / fuel: Diesel
Euro 6e / EA
UN LD 168 - Certification

ECU velocity factor: 1.00000
extended cond.: 0.00 % (0.00 % cold start)
Propulsion Type: ICE
Test Start: 2021-02-12/08:52:27
Printout: 2025-10-31/19:06:07

Page — pass
Test — 2 fails

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Conformity of Emissions

Final RDE emissions results

§	criterion	condition	value	unit	pass/fail
App11 4	Final NOX RDE urban emission result below WLTP limit	Final NOx urban <= 60 mg/km	**13.87**	**mg/km**	pass
	Final NOX RDE trip emission result below WLTP limit	Final NOx trip <= 60 mg/km	**11.41**	**mg/km**	pass
	Final PN RDE urban emission result below WLTP limit	Final PN urban <= 6.000e+11 #/km	**1.197e+09**	**#/km**	pass
	Final PN RDE trip emission result below WLTP limit	Final PN trip <= 6.000e+11 #/km	**1.134e+09**	**#/km**	pass

urban		CO2	CO	NOx	PN
correction	factor	g/km	mg/km	mg/km	#/km
none		159.71	32.30	19.16	1.976e+09
drift correction applied		159.69	32.22	18.81	1.976e+09
EXTC	1.60		32.22	18.81	1.976e+09
RF	0.81		26.14	15.26	1.604e+09
CF	1/1.1;1/1.34			13.87	1.197e+09
ki				13.87	
final result *				**13.87**	**1.197e+09**
WLTP limit		1000.0		**60.00**	**6.000e+11**

trip		CO2	CO	NOx	PN
correction	factor	g/km	mg/km	mg/km	#/km
none		122.41	20.49	12.82	1.520e+09
drift correction applied		122.39	20.43	12.55	1.520e+09
EXTC	1.60		20.43	12.55	1.520e+09
RF	1.00		20.43	12.55	1.520e+09
CF	1/1.1;1/1.34		20.43	11.41	1.134e+09
ki			20.43	11.41	
final result *			**20.43**	**11.41**	**1.134e+09**
WLTP limit		1000.0		**60.00**	**6.000e+11**

Ki Offset		CO2 [g/km]		CO [mg/km]		NOx [mg/km]	
Ki factor		CO2		CO		NOx	

Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278)
Concerto Serial Number: 998.00
MOVE Version: V2.9_234
Windows Version: MicrosoftWindows11Enterprise

Test Id: Test_AVL / XXX
Engine: Demo Engine / Type
Engine at test start: cold / fuel: Diesel
Euro 6e / EA
UN LD 168 - Certification

ECU velocity factor: 1.00000
extended cond.: 0.00 % (0.00 % cold start)
Propulsion Type: ICE
Test Start: 2021-02-12/08:52:27
Printout: 2025-10-31/19:06:07

Page | pass
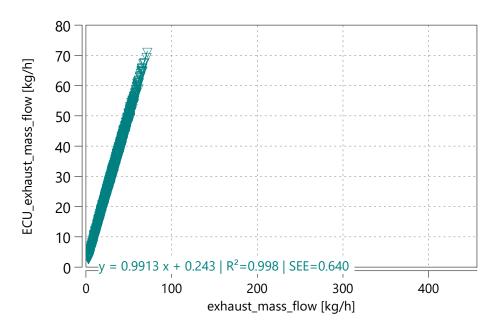
Test | 2 fails

* According to UN 168 2024/211 ANNEX 11.4: Any negative final results shall be set to zero.

EFM vs. ECU exhaust mass flow regression

Regression Exhaust Flows

$y = 0.9913\,x + 0.243 \mid R^2 = 0.998 \mid SEE = 0.640$
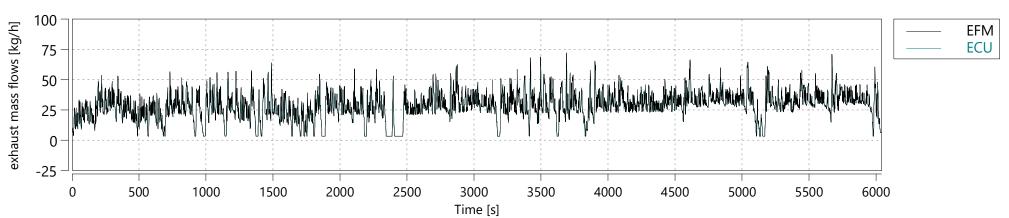
ECU_ExhaustMassFlow_TS	s	-38.100

Data from - to [% of Maximum]

from [%]: 0
to [%]: 100
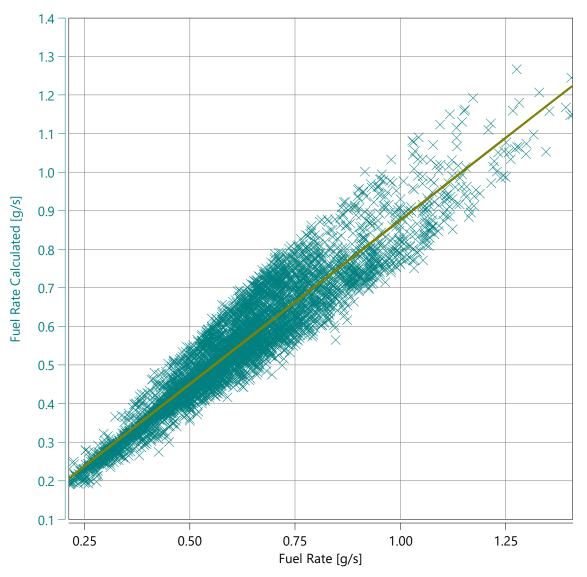
Fuel rate calculated vs. fuel rate

$y = 0.8518\ x + 0.025\ |\ R^2 = 0.904\ |\ SEE = 3.590$

Data from - to [% of Maximum]

from [%]: 15
to   [%]: 100

Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278)
Concerto Serial Number: 998.00
MOVE Version: V2.9_234
Windows Version: MicrosoftWindows11Enterprise

Test Id: Test_AVL / XXX
Engine: Demo Engine / Type
Engine at test start: cold / fuel: Diesel
Euro 6e / EA
UN LD 168 - Certification

ECU velocity factor: 1.00000
extended cond.: 0.00 % (0.00 % cold start)
Propulsion Type: ICE
Test Start: 2021-02-12/08:52:27
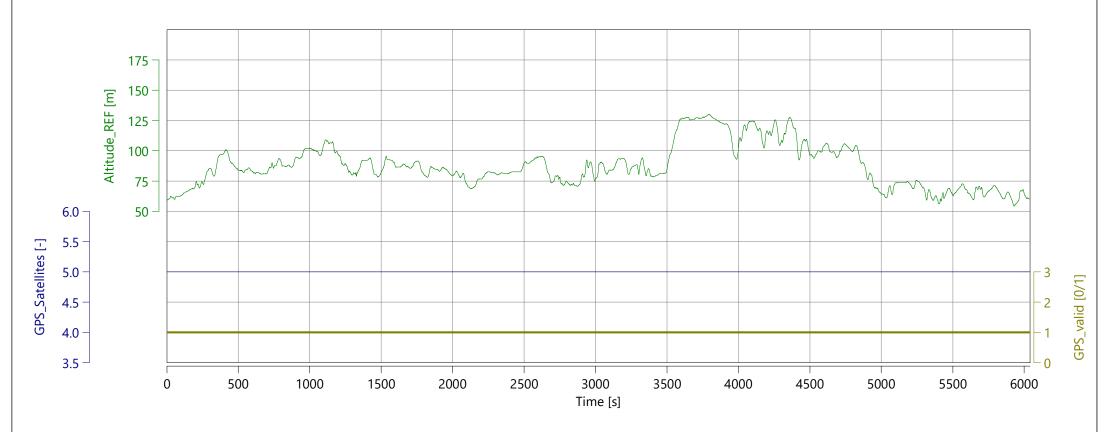Printout: 2025-10-31/19:06:07

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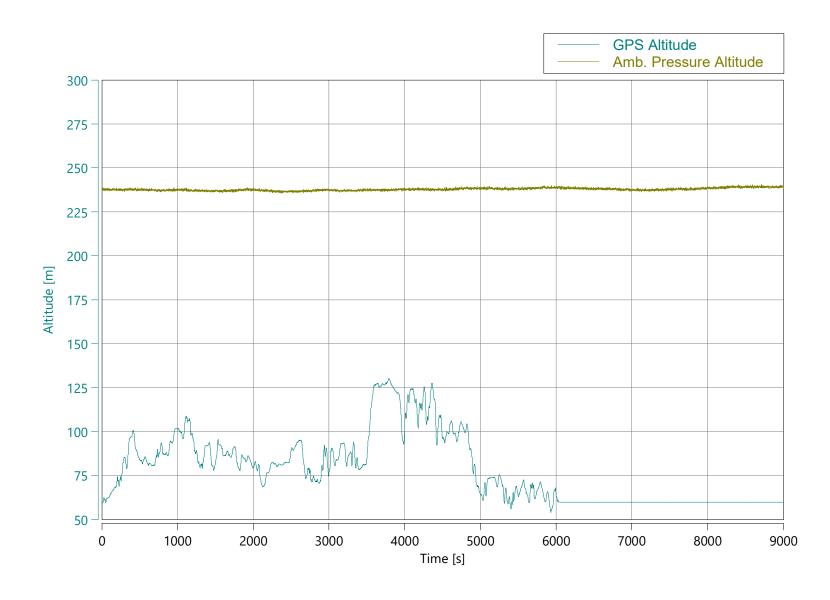
Test Confirmation - Altitude

Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278)	Test Id: Test_AVL / XXX	ECU velocity factor: 1.00000
Concerto Serial Number: 998.00	Engine: Demo Engine / Type	extended cond.: 0.00 % (0.00 % cold start)
MOVE Version: V2.9_234	Engine at test start: cold / fuel: Diesel	Propulsion Type: ICE
Windows Version: MicrosoftWindows11Enterprise	Euro 6e / EA	Test Start: 2021-02-12/08:52:27
	UN LD 168 - Certification	Printout: 2025-10-31/19:06:07

§	criterion	condition	value	unit	pass/fail
GAS Leak Check	The leakage rate on the vacuum side shall not exceed 0.5 per cent of the in-use flow rate for the portion of the system being checked.	The leakage rate <= 0.5%	**0.12**	**%**	pass
PN Leak Check Dilution	The pressure increase in the system shall not exceed 30 mbar/10s.	Delta p <= 30 mbar/10s	**0.13**	**mbar/ 10s**	pass
PN Leak Check Sample	The pressure increase in the system shall not exceed 30 mbar/10s.	Delta p <= 30 mbar/10s	**0.11**	**mbar/ 10s**	pass
Devices Main Errors	If any error signal(s) appear during the test, the test shall be voided.	No error signals during Main Test	**0**	**-**	**pass**

Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278)
Concerto Serial Number: 998.00
MOVE Version: V2.9_234
Windows Version: MicrosoftWindows11Enterprise

Test Id: Test_AVL / XXX
Engine: Demo Engine / Type
Engine at test start: cold / fuel: Diesel
Euro 6e / EA
UN LD 168 - Certification

ECU velocity factor: 1.00000
extended cond.: 0.00 % (0.00 % cold start)
Propulsion Type: ICE
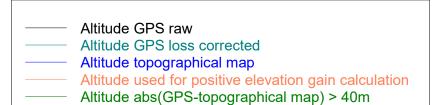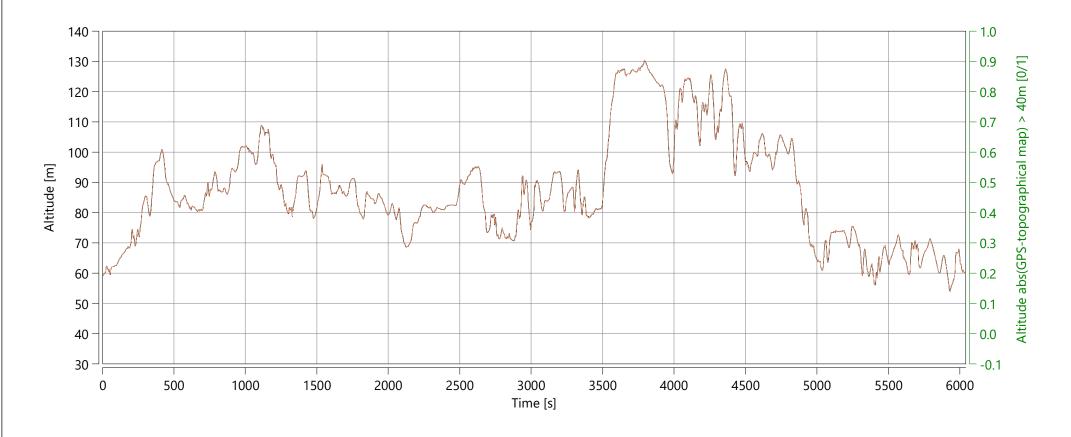Test Start: 2021-02-12/08:52:27
Printout: 2025-10-31/19:06:07

Page pass
Test 2 fails

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Device Info

GAS PEMS

Device ID	492
Serial Number	124
Firmware Version	1.10
Leak Check Time	08:38:43
Leak Check Date	2021-02-12
Main Test Date	2021-02-12
Leak Check Age [days]	0

System Control

SC Version	V2.9_234
SC Serial Number	60300996
MOVE_VALIDATION_CHECK	n/a

EFM

Device ID	n/a
Serial Number	n/a
Serial Number Tube	n/a
Firmware Version	n/a

PN Advanced

Device ID	496
Serial Number	33
Sensor Serial Number	882
Firmware Version	2.080
Leak Check Dilute Time	00:00:00
Leak Check Dilute Date	00-00-00
Leak Check Sample Time	00:00:00
Leak Check Sample Date	00-00-00
Dilute Check Date	18670
PN_CutPoint	n/a

FIDiS

Device ID	4925iS
Serial Number	2003
Firmware Version	1.0
Leak Check Date	2021-02-12
Leak Check Age	0

Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278)
Concerto Serial Number: 998.00
MOVE Version: V2.9_234
Windows Version: MicrosoftWindows11Enterprise

Test Id: Test_AVL / XXX
Engine: Demo Engine / Type
Engine at test start: cold / fuel: Diesel
Euro 6e / EA
UN LD 168 - Certification

ECU velocity factor: 1.00000
extended cond.: 0.00 % (0.00 % cold start)
Propulsion Type: ICE
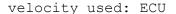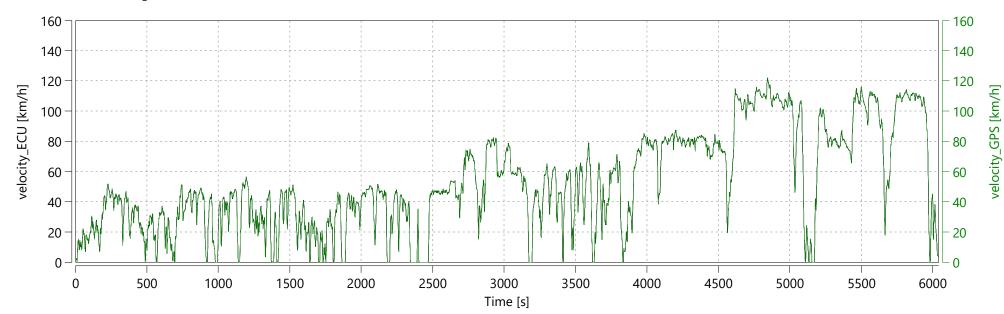Test Start: 2021-02-12/08:52:27
Printout: 2025-10-31/19:06:07

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```
[CALC_PARAMETER]

12V_battery_capacity_CHAN            :
12V_ECU_elect_current_CHAN           :
12V_ECU_elect_current_TS             :                                    0
12V_ECU_SOC_CHAN                     :
12V_ECU_SOC_TS                       :                                    0
12V_ECU_voltage_CHAN                 :
12V_ECU_voltage_TS                   :                                    0
12V_Xmeter_battery_energy_CHAN       :
12V_Xmeter_battery_energy_TS         :                                    0
12V_Xmeter_battery_power_CHAN        :
12V_Xmeter_battery_power_TS          :                                    0
3PH_WLTP_PHASE_1                     :                               3.0945
3PH_WLTP_PHASE_2                     :                               4.7559
3PH_WLTP_PHASE_3                     :                               7.1618
4929_PEMS_Check                      :                                  YES
Activate_12V_Xmeter                  :                                   NO
Activate_HV_Xmeter                   :                                   NO
Activate_NH3                         :                                   NO
Activate_plutron                     :                                   NO
Activate_torque_sensor               :                                   NO
active_systems_disable               :
add_params_ctf                       :                                   NO
ADD_REGRESSION_KPI                   :                                   NO
add_rep_formula_dkey1                :
add_rep_formula_dkey2                :
add_rep_formula_dkey3                :
add_rep_formula_path1                :
add_rep_formula_path2                :
add_rep_formula_path3                :
add_rep_layout_path                  :
add_rep_name                         :
add_rep_script_path                  :
AHC_CHAN                             :
AHC_TS                               :                                    0
AIR_FLOW_CHAN                        :
AIR_FLOW_TS                          :                              0.40000
AIR_FLOW_TYPE                        :                               1.0000
AMB_Humidity_CHAN                    :              IFILE1:TM'AMB_Humidity
AMB_Humidity_TS                      :                              0.10000
AMB_Pressure_CHAN                    :              IFILE1:TM'AMB_Pressure
AMB_Pressure_TS                      :                              0.10000
AMB_Temperature_CHAN                 :           IFILE1:TM'AMB_Temperature
AMB_Temperature_TS                   :                              0.10000
Amiga                                :                                   NO
angular_speed_1_CHAN                 :
angular_speed_1_TS                   :                                    0
angular_speed_2_CHAN                 :
angular_speed_2_TS                   :                                    0
angular_speed_3_CHAN                 :
angular_speed_3_TS                   :                                    0
angular_speed_4_CHAN                 :
angular_speed_4_TS                   :                                    0
```

```
auto_HL_chkbox                    :                                    YES
Aux_ref_1                         :                                 12.000
Aux_ref_10                        :                                 1.0000
Aux_ref_2                         :                                 1.0000
Aux_ref_3                         :                                 1.0000
Aux_ref_4                         :                                 1.0000
Aux_ref_5                         :                                 8.0000
Aux_ref_6                         :                                 1.0000
Aux_ref_7                         :                                 1.0000
Aux_ref_8                         :                                 1.0000
Aux_ref_9                         :                                 1.0000
Aux_TS_1                          :                                      0
Aux_TS_10                         :                                      0
Aux_TS_2                          :                                      0
Aux_TS_3                          :                                      0
Aux_TS_4                          :                                      0
Aux_TS_5                          :                                      0
Aux_TS_6                          :                                      0
Aux_TS_7                          :                                      0
Aux_TS_8                          :                                      0
Aux_TS_9                          :                                      0
AuxChannels_1                     :
AuxChannels_10                    :
AuxChannels_2                     :
AuxChannels_3                     :
AuxChannels_4                     :
AuxChannels_5                     :
AuxChannels_6                     :
AuxChannels_7                     :
AuxChannels_8                     :
AuxChannels_9                     :
AVL_FT                            :                                     NO
AVL_FT_Check                      :                                     NO
C2H2_CHAN                         :
C2H2_TS                           :                                      0
C2H4_CHAN                         :
C2H4_TS                           :                                      0
C2H6_CHAN                         :
C2H6_TS                           :                                      0
C3H6_CHAN                         :
C3H6_TS                           :                                      0
C3H8_CHAN                         :
C3H8_TS                           :                                      0
c_air_conditioning                :                                 1.0000
c_Dual_Fuel_type                  :                                 1.0000
c_EMISSION_STANDARD               :                                 53.000
c_Engine_Stop_def                 :                                 2.0000
c_Engine_Stop_def_value           :                           Engine Speed
c_exhaust_mol_mass_constant       :                                    YES
c_fuel_system                     :                                 1.0000
c_fuel_type                       :                                 2.0000
c_fuel_type_value                 :                        2 - Diesel (B7)
c_humidity_type                   :                                 1.0000
c_ignition_type                   :                                 1.0000
```

```
c_IMP_type                          :                                        2.0000
c_PM_type                           :                                        1.0000
c_start_stop_active                 :                                        1.0000
c_type_altitude                     :                                        1.0000
c_type_bodywork                     :                                        1.0000
c_type_CO2_ref_mass                 :                                        1.0000
c_unit_system                       :                                        1.0000
CALC_DATE                           :                           2025-10-31/19:06:02
CALC_PM                             :                                            NO
CALC_PN                             :                                           YES
CD_PEMS_DS_CH4                      :                                        300.00
CD_PEMS_DS_CH4_ratio                :                                           n/a
CD_PEMS_DS_CO                       :                                        1000.0
CD_PEMS_DS_CO2                      :                                        200.00
CD_PEMS_DS_CO2_ratio                :                                           n/a
CD_PEMS_DS_CO_ratio                 :                                           n/a
CD_PEMS_DS_NMHC                     :                                        150.00
CD_PEMS_DS_NMHC_ratio               :                                           n/a
CD_PEMS_DS_NO                       :                                        50.000
CD_PEMS_DS_NO2                      :                                        30.000
CD_PEMS_DS_NO2_ratio                :                                           n/a
CD_PEMS_DS_NO_ratio                 :                                           n/a
CD_PEMS_DS_NOx                      :                                        60.000
CD_PEMS_DS_NOx_ratio                :                                           n/a
CD_PEMS_DS_PN                       :                                        250000
CD_PEMS_DS_PN_ratio                 :                                           n/a
CD_PEMS_DS_THC                      :                                        200.00
CD_PEMS_DS_THC_ratio                :                                           n/a
Certification_Mode                  :                                           YES
CH4_Adjust_Actual                   :                                        9355.5
CH4_Audit_Actual                    :                                        9359.4
CH4_Cal_gas_value                   :                                        9359.0
CH4_CHAN                            :                         IFILE1:TM'FIDiS_CH4_C1
CH4_Reference                       :                                        9359.0
CH4_Std                             :                                            NO
CH4_Std_Adjust_Actual               :                                           n/a
CH4_Std_Audit_Actual                :                                           n/a
CH4_Std_Cal_gas_value               :                                           n/a
CH4_Std_CHAN                        :
CH4_Std_Reference                   :                                           n/a
CH4_Std_TS                          :                                             0
CH4_Std_zero_post                   :                                           n/a
CH4_Std_zero_pre                    :                                           n/a
CH4_TS                              :                                       -7.5000
CH4_zero_post                       :                                           N/A
CH4_zero_pre                        :                                       0.10000
CO2_Adjust_Actual                   :                                        19.576
CO2_Audit_Actual                    :                                        19.570
CO2_Cal_gas_value                   :                                        19.570
CO2_CHAN                            :                             IFILE1:TM'GPiS_CO2
CO2_Reference                       :                                        19.570
CO2_Refmass                         :                                        1.8000
CO2_Std                             :                                            NO
CO2_Std_Adjust_Actual               :                                           n/a
```

```
CO2_Std_Audit_Actual               :                              n/a
CO2_Std_Cal_gas_value              :                              n/a
CO2_Std_CHAN                       :
CO2_Std_Reference                  :                              n/a
CO2_Std_TS                         :                                0
CO2_Std_zero_post                  :                              n/a
CO2_Std_zero_pre                   :                              n/a
CO2_total_input                    :                               NO
CO2_TS                             :                          -8.1000
CO2_urban_input                    :                               NO
CO2_zero_post                      :                                0
CO2_zero_pre                       :                                0
CO_Adjust_Actual                   :                            47152
CO_Audit_Actual                    :                            47153
CO_Cal_gas_value                   :                            47170
CO_CHAN                            :                IFILE1:TM'GPiS_CO
CO_Reference                       :                            47170
CO_Std                             :                               NO
CO_Std_Adjust_Actual               :                              n/a
CO_Std_Audit_Actual                :                              n/a
CO_Std_Cal_gas_value               :                              n/a
CO_Std_CHAN                        :
CO_Std_Reference                   :                              n/a
CO_Std_TS                          :                                0
CO_Std_zero_post                   :                              n/a
CO_Std_zero_pre                    :                              n/a
CO_TS                              :                          -8.1000
CO_zero_post                       :                          0.14000
CO_zero_pre                        :                          0.14000
Combo_GPHTL_GP_iS                  :                           1.0000
Combo_HL_4929                      :                           1.0000
Combo_HL_FID                       :                           1.0000
Combo_HL_FT                        :                           5.0000
Combo_HL_GP                        :                           1.0000
Combo_HL_GP_iS                     :                           2.0000
Combo_HL_PM                        :                           5.0000
Combo_HL_PN                        :                           1.0000
Combo_HL_PN2                       :                           1.0000
ComboBoxPNCutPoint                 :                           1.0000
ComboBoxPNCutPoint_value           :                           10.000
comment_engine_info                :                             Type
comment_engine_type                :                      Demo Engine
comment_vehicle_info               :                              YYY
comment_vehicle_type               :                              XXX
Concerto_build                     :                              B70
Concerto_version                   :                           602.00
ConcertoSerialNumber               :                           998.00
CONFIG                             :                           14.000
COOLANT_TEMP_CHAN                  :IFILE1:TM'OBD_Engine_Coolant_Temperature_(PID_05)
COOLANT_TEMP_TS                    :                          0.40000
CRITERIA_POR                       :                               NO
CS_RESULT_FILE_PATH                :
CTF_result_folder_path             :
Curb_Idle_Load                     :                                0
```

```
Customer_reps              :
data_paths                 :                    LD_MOVE_POST.001
date_time                  :                    2021-02-12/08:52:27
drive_mode_ICE             :
drive_mode_PHEV            :
driver_mass                :                              0
DRY_AHC                    :
DRY_C2H2                   :
DRY_C2H4                   :
DRY_C2H6                   :
DRY_C3H6                   :
DRY_C3H8                   :
DRY_CH4                    :                            NO
DRY_CH4_Std                :
DRY_CO                     :                           YES
DRY_CO2                    :                           YES
DRY_CO2_Std                :
DRY_CO_Std                 :
DRY_ETOH                   :
DRY_H2O                    :
DRY_HCHO                   :
DRY_HCOOH                  :
DRY_IC5                    :
DRY_MECHO                  :
DRY_MEOH                   :
DRY_N2O                    :                           YES
DRY_N2O_Std                :
DRY_NC4                    :
DRY_NC5                    :
DRY_NC8                    :
DRY_NH3                    :                            NO
DRY_NH3_Sensor             :                            NO
DRY_NH3_Std                :
DRY_NMHC_Std               :
DRY_NMOG                   :
DRY_NO                     :                          SEMI
DRY_NO2                    :                          SEMI
DRY_NO2_Std                :
DRY_NO_Std                 :
DRY_NOx_Std                :
DRY_O2                     :                           YES
DRY_THC                    :                            NO
DRY_THC_Std                :
Dual_Fuel_Alpha            :                         2.5250
Dual_Fuel_Beta             :                         1.0000
Dual_Fuel_Delta            :                              0
Dual_Fuel_Epsilon          :                              0
Dual_Fuel_Fuel_Density     :                         500.00
Dual_Fuel_Gamma            :                              0
Dual_Fuel_rho_exhaust      :                         1.2811
Dual_Fuel_U_CH4            :                        0.55900
Dual_Fuel_U_CO             :                        0.97600
Dual_Fuel_U_CO2            :                         1.5330
Dual_Fuel_U_HC             :                        0.51000
```

```
Dual_Fuel_U_N2O                       :                                      1.5330
Dual_Fuel_U_NMHC                      :                                      0.78000
Dual_Fuel_U_NO                        :                                      1.6020
Dual_Fuel_U_NO2                       :                                      1.6020
Dual_Fuel_U_NOx                       :                                      1.6020
Dual_Fuel_U_O2                        :                                      1.1150
Dual_Fuel_X_C                         :                                      82.500
Dual_Fuel_X_H                         :                                      17.300
Dual_Fuel_X_N                         :                                           0
Dual_Fuel_X_O                         :                                           0
Dual_Fuel_X_S                         :                                           0
Duel_fuel_c_exhaust_mol_mass_constant:                                         YES
ECU_ExhaustMassFlow_CHAN              :          CTFFILE1:1Hz'exhaust_mass_flow
ECU_ExhaustMassFlow_TS                :                                     -38.100
ECU_IMP_CHAN                          :
ECU_IMP_TS                            :                                           0
ECU_IMT_CHAN                          :
ECU_IMT_TS                            :                                           0
ECU_Velocity_CHAN                     :      IFILE1:TM'OBD_Vehicle_Speed_Sensor_(PID_0D)
ECU_Velocity_Factor                   :                                      1.0000
ECU_Velocity_TS                       :                                      0.40000
EFM_ExhaustTemperature_CHAN           :              IFILE1:TM'EFM_ExhaustGasTemp
EFM_ExhaustTemperature_TS             :                                     -0.10000
EFM_ExhaustVolumeFlow_CHAN            :              IFILE1:TM'EFM_ExhaustGasFlowVol
EFM_ExhaustVolumeFlow_TS              :                                     -0.10000
EFM_Sensor_Type                       :                                       Pitot
electric_motor_power                  :
EMISSION_STANDARD                     :                                 Euro 6e / EA
EndTime_MainTest                      :                                       11:22
EndTime_PreTest                       :                                       08:41
EndTimePostTest                       :                                       13:04
Engine_displacement                   :
ENGINE_SPEED_CHAN                     :          IFILE1:TM'OBD_Engine_RPM_(PID_0C)
ENGINE_SPEED_TS                       :                                      0.40000
Engine_Torque_CHAN                    :                                   ASCII1:TM'C
Error_Page_Plots                      :                                          NO
ETOH_CHAN                             :
ETOH_TS                               :                                           0
evaluation_routine                    :                                 Internal-Road
EXCL_Vehicle_Stop                     :                                         YES
EXHAUST_FLOW_AVL_EFM                   :                                         YES
EXHAUST_FLOW_SENSORS_EFM               :                                          NO
EXHAUST_FLOW_TYPE                     :                                      2.0000
exhaust_mass_flow_idle                :                                           0
exhaust_rho                           :                                      1.2943
Export_Results                        :                                         YES
EXTC_CORR_FAC                         :                                      1.6000
EXTC_From_Altitude                    :                                      700.00
EXTC_From_High_Temp                   :                                      35.000
EXTC_From_Low_Temp                    :                                     -7.0000
EXTC_To_Altitude                      :                                      1300.0
EXTC_To_High_Temp                     :                                      38.000
EXTC_To_Low_Temp                      :                                           0
FilterID_fromFile                     :                                         YES
```

```
Front_rear_tyre_pressure          :
Front_rear_tyre_size              :
fuel_alpha                        :                                    1.8600
fuel_beta                         :                                    1.0000
fuel_delta                        :                                         0
fuel_density                      :                                    840.00
fuel_epsilon                      :                                 0.0070000
fuel_gamma                        :                                         0
fuel_norm                         :
FUEL_RATE_CHAN                    :          IFILE1:TM'OBD_Engine_Fuel_Rate_(PID_5E)
FUEL_RATE_FM_CHAN                 :
FUEL_RATE_FM_TS                   :                                   -1.0000
FUEL_RATE_FM_TYPE                 :                                    1.0000
FUEL_RATE_GAS_CHAN                :                                         0
FUEL_RATE_GAS_TS                  :                                         0
FUEL_RATE_GAS_TYPE                :                                    1.0000
FUEL_RATE_TS                      :                                  -0.50000
FUEL_RATE_TYPE                    :                                    2.0000
fuel_type2                        :                                       n/a
fuel_type_name                    :                                    Diesel
fuel_u_AHC                        :                                    3.1760
fuel_u_C2H2                       :                                   0.89800
fuel_u_C2H4                       :                                   0.96700
fuel_u_C2H6                       :                                    1.0370
fuel_u_C3H6                       :                                    1.4510
fuel_u_C3H8                       :                                    1.5200
fuel_u_CH4                        :                                   0.55300
fuel_u_CO                         :                                   0.96600
fuel_u_CO2                        :                                    1.5170
fuel_u_ETOH                       :                                    1.5880
fuel_u_H2O                        :                                   0.62100
fuel_u_HCHO                       :                                    1.0340
fuel_u_HCOOH                      :                                    1.5870
fuel_u_IC5                        :                                    2.4870
fuel_u_MECHO                      :                                    1.5200
fuel_u_MEOH                       :                                    1.1040
fuel_u_N2O                        :                                    1.5170
fuel_u_NC4                        :                                    2.0030
fuel_u_NC5                        :                                    2.4870
fuel_u_NC8                        :                                    3.9380
fuel_u_NH3                        :                                   0.58700
fuel_u_NMHC                       :                                   0.48200
fuel_u_NMOG                       :                                         0
fuel_u_NO                         :                                    1.5860
fuel_u_NO2                        :                                    1.5860
fuel_u_NOx                        :                                    1.5860
fuel_u_O2                         :                                    1.1030
fuel_u_THC                        :                                   0.48200
fuel_used                         :
fuel_w_ALPHA                      :                                    13.300
fuel_w_BETA                       :                                    85.800
fuel_w_DELTA                      :                                         0
fuel_w_EPSILON                    :                                   0.80000
fuel_w_GAMMA                      :                                         0
```

```
FullVersionString                    :     Concerto: 6.2.3.70, MDT: 2R2.9.1 (Build 278)
GAS_PEMS_Ethane_Efficency            :                                         0.11000
GAS_PEMS_GAS_HUMIDITY_CHAN           :                       IFILE1:TM'GPiS_Gas_Humidity
GAS_PEMS_GAS_TEMP_CHAN               :                          IFILE1:TM'GPiS_Gas_Temp
GAS_PEMS_Methane_Efficency           :                                         0.11000
GAS_PEMS_Methane_Response_Factor     :                                         0.11000
GAS_PEMS_P_TEC1_ABS_P_CHAN           :                        IFILE1:TM'GPiS_P_Tec1_abs
GAS_PEMS_P_TEC2_ABS_P_CHAN           :                        IFILE1:TM'GPiS_P_Tec2_abs
GAS_PEMS_T_TEC1_PT100_CHAN           :                       IFILE1:TM'GPiS_T_Tec1_PT100
GAS_PEMS_T_TEC2_PT100_CHAN           :                       IFILE1:TM'GPiS_T_Tec2_PT100
GASPEMS_AVL492                       :                                             YES
GASPEMS_AVL4925                      :                                             YES
GASPEMS_AVL4929                      :                                              NO
GASPEMS_AVL493                       :                                              NO
GASPEMS_AVL493_iX                    :                                              NO
gen_excl_cold_start                  :                                              NO
gen_excl_cold_start_cool_temp_min    :                                          70.000
gen_excl_cold_start_max_time         :                                          300.00
gen_excl_engine_stop                 :                                             YES
gen_excl_engine_stop_exhmf           :                                          3.0000
gen_excl_engine_stop_rpm             :                                          50.000
gen_excl_vehicle_stop                :                                              NO
gen_excl_vehicle_stop_velo_max       :                                          1.0000
gp_leak_check_date                   :                                      2021-02-12
gp_leak_check_result                 :                                         0.12000
gp_leak_check_time                   :                                        08:38:43
GP_SerialNumber                      :                                          124.00
GP_STATE_CHAN                        :                               IFILE1:TM'GPiS_STATE
GP_STATE_TS                          :                                         -5.5000
gp_Std_leak_check_date               :                                             n/a
gp_Std_leak_check_result             :                                             n/a
gp_Std_leak_check_time               :                                             n/a
GPS_Altitude_CHAN                    :                               IFILE1:TM'GPS_Altitude
GPS_Altitude_topo_CHAN               :
GPS_Altitude_topo_TS                 :                                               0
GPS_Altitude_TS                      :                                         0.10000
GPS_Groundspeed_CHAN                 :                            IFILE1:TM'GPS_GroundSpeed
GPS_Groundspeed_TS                   :                                         0.10000
GPS_Latitude_CHAN                    :                               IFILE1:TM'GPS_Latitude
GPS_Latitude_TS                      :                                         0.10000
GPS_Longitude_CHAN                   :                              IFILE1:TM'GPS_Longitude
GPS_Longitude_TS                     :                                         0.10000
GPS_Satellites_CHAN                  :                             IFILE1:TM'GPS_Satellites
GPS_Satellites_TS                    :                                         0.10000
H2O_CHAN                             :
H2O_TS                               :                                               0
HCCOAftertreatmentTemp_CHAN          :
HCCOAftertreatmentTemp_TS            :                                               0
HCHO_Adjust_Actual                   :                                             n/a
HCHO_Audit_Actual                    :                                             n/a
HCHO_Cal_gas_value                   :                                             n/a
HCHO_CHAN                            :
HCHO_Reference                       :                                             n/a
HCHO_TS                              :                                               0
```

```
HCHO_zero_post                    :                                    n/a
HCHO_zero_pre                     :                                    n/a
HCOOH_CHAN                        :
HCOOH_TS                          :                                      0
HL_FT_Delay                       :                                 5.1000
HV_battery_capacity_CHAN          :
HV_ECU_elect_current_CHAN         :
HV_ECU_elect_current_TS           :                                      0
HV_ECU_SOC_CHAN                   :
HV_ECU_SOC_TS                     :                                      0
HV_ECU_voltage_CHAN               :
HV_ECU_voltage_TS                 :                                      0
HV_Xmeter_battery_energy_CHAN     :
HV_Xmeter_battery_energy_TS       :                                      0
HV_Xmeter_battery_power_CHAN      :
HV_Xmeter_battery_power_TS        :                                      0
IC5_CHAN                          :
IC5_TS                            :                                      0
Idle_speed                        :                                      0
iGEM_ODS_iVERSION                 :
iGEM_ODS_NAME                     :
iGEM_ODS_PROJECT                  :
iGEM_ODS_SERIE                    :
IN_PExh_CHAN                      :          IFILE1:TM'EFM_AbsolutePressure
IN_PExhDelta_CHAN                 :        IFILE1:TM'EFM_ExhaustGasDiffPress
IN_Zero_FIDiS_CHAN                :                 IFILE1:TM'FIDiS_STATE
input_formula_path                :
Ki_Correction                     :                                     NO
Ki_Factor_CO                      :                                 1.0000
Ki_Factor_CO2                     :                                 1.0000
Ki_Factor_NOx                     :                                 1.0000
Ki_Offset_CO                      :                                      0
Ki_Offset_CO2                     :                                      0
Ki_Offset_NOx                     :                                      0
kpi_plot_extra_pdf                :                                     NO
LabID_fromFile                    :                                    YES
LAMBDA_CHAN                       :
LAMBDA_TS                         :                               -0.10000
Legislation                       :                                 6.0000
Legislation_value                 :                              UN LD 168
limit_CF_NOx                      :                                 1.1000
limit_CF_PN                       :                                 1.3400
limit_CO                          :                                 1000.0
limit_CO2                         :                                     **
limit_NO                          :                                     **
limit_NO2                         :                                     **
limit_NOx                         :                                 60.000
limit_PN                          :                           600000000000
Lubricant                         :
MAW_bin_moway_max_kmh             :                                 100.00
MAW_bin_moway_min_kmh             :                                 50.000
MAW_bin_rural_max_kmh             :                                 80.000
MAW_bin_rural_min_kmh             :                                 45.000
MAW_bin_urban_max_kmh             :                                 50.000
```

```
MAW_bin_urban_min_kmh              :                                    0
MECHO_CHAN                         :
MECHO_TS                           :                                    0
MEOH_CHAN                          :
MEOH_TS                            :                                    0
MOVE_VERSION                       :                            V2.9_234
MSS2                               :                                   NO
N2O_Adjust_Actual                  :                                    0
N2O_Audit_Actual                   :                                    0
N2O_Cal_gas_value                  :                               1000.0
N2O_CHAN                           :                    IFILE1:TM'GPiS_N2O
N2O_Reference                      :                               1000.0
N2O_Std                            :                                   NO
N2O_Std_Adjust_Actual              :                                  n/a
N2O_Std_Audit_Actual               :                                  n/a
N2O_Std_Cal_gas_value              :                                  n/a
N2O_Std_CHAN                       :
N2O_Std_Reference                  :                                  n/a
N2O_Std_TS                         :                                    0
N2O_Std_zero_post                  :                                  n/a
N2O_Std_zero_pre                   :                                  n/a
N2O_TS                             :                                    0
N2O_zero_post                      :                              0.11000
N2O_zero_pre                       :                              0.11000
NC4_CHAN                           :
NC4_TS                             :                                    0
NC5_CHAN                           :
NC5_TS                             :                                    0
NC8_CHAN                           :
NC8_TS                             :                                    0
NH3_Adjust_Actual                  :                                  n/a
NH3_Audit_Actual                   :                                  n/a
NH3_Cal_gas_value                  :                                  n/a
NH3_CHAN                           :                     IFILE1:TM'NP_NH3
NH3_Reference                      :                                  n/a
NH3_Sensor_CHAN                    :                       IFILE1:TM'NH3
NH3_Sensor_TS                      :                                    0
NH3_Std                            :                                   NO
NH3_Std_Adjust_Actual              :                                  n/a
NH3_Std_Audit_Actual               :                                  n/a
NH3_Std_Cal_gas_value              :                                  n/a
NH3_Std_CHAN                       :
NH3_Std_Reference                  :                                  n/a
NH3_Std_TS                         :                                    0
NH3_Std_zero_post                  :                                  n/a
NH3_Std_zero_pre                   :                                  n/a
NH3_TS                             :                                    0
NH3_zero_post                      :                                  n/a
NH3_zero_pre                       :                                  n/a
NMHC_Std                           :                                   NO
NMHC_Std_CHAN                      :
NMHC_Std_TS                        :                                    0
NMHCCalcType                       :                               1.0000
NMOG_CHAN                          :
```

```
NMOG_TS                    :                                    0
NMOGCalcType               :                               1.0000
NO2_Adjust_Actual          :                               2354.1
NO2_Audit_Actual           :                               2351.9
NO2_Cal_gas_value          :                               2353.0
NO2_CHAN                   :                    IFILE1:TM'GPiS_NO2
NO2_Reference              :                               2353.0
NO2_Std                    :                                   NO
NO2_Std_Adjust_Actual      :                                  n/a
NO2_Std_Audit_Actual       :                                  n/a
NO2_Std_Cal_gas_value      :                                  n/a
NO2_Std_CHAN               :
NO2_Std_Reference          :                                  n/a
NO2_Std_TS                 :                                    0
NO2_Std_zero_post          :                                  n/a
NO2_Std_zero_pre           :                                  n/a
NO2_TS                     :                              -5.5000
NO2_zero_post              :                              0.16000
NO2_zero_pre               :                              0.16000
NO_Adjust_Actual           :                               4862.6
NO_Audit_Actual            :                               4864.0
NO_Cal_gas_value           :                               4862.0
NO_CHAN                    :                     IFILE1:TM'GPiS_NO
No_Cylinders               :
No_Cylinders_FM            :
NO_Reference               :                               4862.0
NO_Std                     :                                   NO
NO_Std_Adjust_Actual       :                                  n/a
NO_Std_Audit_Actual        :                                  n/a
NO_Std_Cal_gas_value       :                                  n/a
NO_Std_CHAN                :
NO_Std_Reference           :                                  n/a
NO_Std_TS                  :                                    0
NO_Std_zero_post           :                                  n/a
NO_Std_zero_pre            :                                  n/a
NO_TS                      :                              -6.0000
NO_zero_post               :                              0.15000
NO_zero_pre                :                              0.15000
NOx_Std                    :                                   NO
NOx_Std_Adjust_Actual      :                                  n/a
NOx_Std_Audit_Actual       :                                  n/a
NOx_Std_Cal_gas_value      :                                  n/a
NOx_Std_CHAN               :
NOx_Std_Reference          :                                  n/a
NOx_Std_TS                 :                                    0
NOx_Std_zero_post          :                                  n/a
NOx_Std_zero_pre           :                                  n/a
NOxCalcType                :                               1.0000
NP_STATE_CHAN              :
NP_STATE_TS                :                                    0
Number_gears               :
O2_CHAN                    :                     IFILE1:TM'GPiS_O2
O2_TS                      :                              -9.0000
odometer_test_end          :
```

```
odometer_test_start                 :
OIL_TEMP_CHAN                       :
OIL_TEMP_TS                         :                                         0.40000
Org_comm_test                       :
organisation                        :
OS_NAME                             :                            MicrosoftWindows11Enterprise
OUT_Data_Consistency                :                                             YES
OUT_Emissions                       :                                             YES
OUT_Raw_Data                        :                                              NO
OUT_Summary                         :                                             YES
OUT_Window_Plots                    :                                             YES
OUT_Zero_Span                       :                                             YES
param_file_path                     :                                      UN_168.xml
PEMS Manufacturer                   :                                    AVL List GmbH
PEMS Type                           :                                 AVL Gas PEMS iS 492
PEMS_post_version                   :                                  2R2.9.1 (Build 278)
PEMS_power_supply                   :
Pexh_TS                             :                                               0
PexhDelta_TS                        :                                               0
plot_add_report                     :                                              NO
plutron_fuel_rate_type_combobox     :                                          1.0000
plutron_mass_fuel_rate_CHAN         :                       IFILE1:TM'PLUT_Boost_MassFlow
plutron_mass_fuel_rate_TS           :                                               0
plutron_volume_fuel_rate_CHAN       :                  IFILE1:TM'PLUT_Boost_VolFlowAtRefTemp
plutron_volume_fuel_rate_TS         :                                               0
PM_filterDR_val_CHAN                :                             IFILE1:TM'PP_ConcSensor
PM_filterDR_val_TS                  :
PM_filterID_val                     :                                         IDFILT1
PM_filterlab_val                    :                                         IDFILT3
PM_filtertrigger_CHAN               :                               IFILE1:TM'PP_MEASTYPE
PM_filtertrigger_TS                 :                                         -2.3000
PM_filtervolflow_CHAN               :                             IFILE1:TM'PP_PMF_MassFlow
PM_filtervolflow_TS                 :                                               0
PM_filterweight_PostTest            :
PM_filterweight_PreTest             :
PM_PEMS_Check                       :                                              NO
PM_Soot_Conc_CHAN                   :                         IFILE1:TM'PP_ConcentrationSensor
PM_Soot_Conc_TS                     :                                               0
PMPEMS_Activate                     :                                              NO
PMPEMS_AVL494                       :                                              NO
PN_CONC_CHAN                        :                   IFILE1:TM'PN_MEAS_ParticleCount_DilCorr
PN_CONC_TS                          :                                         -4.4000
PN_CorrFactor                       :                                          1.0000
pn_leak_check_result                :                                         0.13000
PN_STATE_CHAN                       :                                 IFILE1:TM'PN_STATE
pn_zero_check_post                  :                                          1234.6
pn_zero_check_pre                   :                                          1234.6
PNPEMS_AVL496                       :                                             YES
PNPEMS_AVL4962                      :                                              NO
pos_accel_points_limit              :                                          100.00
POST_IFile_exists                   :                                          1.0000
post_plot_csf_path                  :
PRE_IFile_exists                    :                                          1.0000
PRECON_TEST_AVG_VELOCITY            :                                              **
```

```
PRECON_TEST_DATE                            :                    2021/02/11
PRECON_TEST_DUR_MOTORWAY                     :                            **
PRECON_TEST_DUR_RURAL                        :                            **
PRECON_TEST_DUR_URBAN                        :                            **
PRECON_TEST_DURATION_DRIVING                 :                        5659.4
PRECON_TEST_DURATION_OK                      :                            OK
PRECON_TEST_TIME_END                         :                      18:40:35
PRECON_TEST_TIME_START                       :                      16:59:21
precon_type                                  :                        1.0000
RDE_type                                     :             RDE4 certification
RDE5_TA_EA                                   :                            NO
Regr_Air_Exh_From                            :                        15.000
Regr_Air_Exh_To                              :                        100.00
Regr_ECU_From                                :                             0
Regr_ECU_To                                  :                        100.00
Regr_Fuel_FM_From                            :                        15.000
Regr_Fuel_FM_To                              :                        100.00
Regr_Fuel_From                               :                        15.000
Regr_Fuel_To                                 :                        100.00
RFL1                                         :                        1.3000
RFL2                                         :                        1.5000
ROAD_LOAD_PARAMETERS                         :
SOAK_EXTENDED_CONDITIONS                     :                            NO
SOAK_EXTENDED_CONDITIONS_TEMP_AVE            :                        22.289
SOAK_EXTENDED_CONDITIONS_TEMP_MAX            :                        22.576
SOAK_EXTENDED_CONDITIONS_TEMP_MIN            :                        22.115
SOAK_EXTENDED_CONDITIONS_TIME_START          :                             0
soak_options                                 :                        1.0000
SOAK_TEST_DATE_END                           :                    2021/02/12
SOAK_TEST_DATE_START                         :                    2021/02/11
SOAK_TEST_DURATION_OK                        :                            OK
SOAK_TEST_GROUNDSPEED_AVERAGE                :                             0
SOAK_TEST_TEMP_MAX                           :                        23.240
SOAK_TEST_TEMP_MIN                           :                        22.115
SOAK_TEST_TEMP_OK                            :                            OK
SOAK_TEST_TIME_END                           :                      08:03:52
SOAK_TEST_TIME_START                         :                      18:42:01
SOAK_TOTAL_RUNTIME                           :                         48074
SOAK_TOTAL_RUNTIME_s                         :                            **
soak_type                                    :                        1.0000
Soot_CHAN                                    :       IFILE1:TM'PP_Conc_Exhaust
Soot_TS                                      :                       -2.3000
Species_input_type                           :                        1.0000
Startdate_tot                                :               20210212085227856
StartTime_MainTest                           :                         08:52
StartTime_PostTest                           :                         13:01
StartTime_PreTest                            :                         08:33
Starttime_tot                                :               20210212085227856
STATE_Std_CHAN                               :
STATE_Std_TS                                 :
Submission_Documents                         :                            NO
SW_version                                   :        602/B70/2R2.9.1 (Build 278)
TA_CH4_TA_493iX                              :                        4.0000
TA_CH4_TA_FID                                :                        4.3000
```

TA_CO2_TA_GP	:	7.6000
TA_CO_TA_GP	:	7.6000
TA_EFM	:	0.10000
TA_GPHTL_TA_GP	:	0.40000
TA_HL_GP_HLINE_TA_GP	:	1.0000
TA_HLINE_TA_4929	:	2.9600
TA_HLINE_TA_FID	:	3.2000
TA_HLINE_TA_PM	:	2.3000
TA_HLINE_TA_PN	:	1.3000
TA_HTL_TA_PN	:	1.3000
TA_N2O_TA_GP	:	0
TA_NO2_TA_GP	:	5.0000
TA_NO_TA_GP	:	5.5000
TA_O2_TA_GP	:	8.5000
TA_SENSOR_TA_PN	:	1.8000
TA_STRATEGY	:	
TA_THC_TA_493	:	1.6000
TA_THC_TA_FID	:	2.3000
Test_ID	:	Test_AVL
test_location	:	
THC_Adjust_Actual	:	5959.9
THC_Audit_Actual	:	5955.6
THC_Cal_gas_value	:	5958.0
THC_CHAN	:	IFILE1:TM'FIDiS_THC_C1
THC_Reference	:	5958.0
THC_Std	:	NO
THC_Std_Adjust_Actual	:	n/a
THC_Std_Audit_Actual	:	n/a
THC_Std_Cal_gas_value	:	n/a
THC_Std_CHAN	:	
THC_Std_Reference	:	n/a
THC_Std_TS	:	0
THC_Std_zero_post	:	n/a
THC_Std_zero_pre	:	n/a
THC_TS	:	-5.5000
THC_zero_post	:	N/A
THC_zero_pre	:	12.000
THERMO_PHOR_CORR	:	YES
Throttle_pos_CHAN	:	
Throttle_pos_TS	:	0
TIME_END	:	6040.0
TIME_END_AUTO	:	NO
Time_Post_to_Main	:	99.033
Time_Pre_to_Main	:	11.070
TIME_START	:	1.0000
TIME_START_AUTO	:	YES
TimeRef_CHAN	:	IFILE1:TM'AcqTime
TimeShift_PN_STATE_TS	:	-4.4000
TimeShift_Zero_FIDiS_s	:	0
TIMESTAMP	:	20210212085227856
Title_Page_Comments	:	
tol1H_rural_moway	:	40.000
tol1H_urban	:	45.000
tol1L	:	25.000

```
Torque_1_CHAN                    :
Torque_1_TS                      :                        0
Torque_2_CHAN                    :
Torque_2_TS                      :                        0
Torque_3_CHAN                    :
Torque_3_TS                      :                        0
Torque_4_CHAN                    :
Torque_4_TS                      :                        0
Torque_CHAN                      :
Torque_TS                        :                   1.3000
Torque_Type                      :                   1.0000
Transmission                     :
Trip_Ambient_GPS_AVL             :                      YES
Trip_Info                        :                     INFO
Type_approval_cycle              :
Type_approval_emissions_limit    :
tyre_tread_depth                 :
USE_DE                           :                       NO
use_pems_gen2                    :                       NO
Vehicle_category                 :
VEHICLE_CLASS                    :                   6.0000
VEHICLE_CLASS_value              :              6 - 3 phase
vehicle_driver                   :
Vehicle_manufacturer             :
VEHICLE_MASS                     :                        0
VEHICLE_MASS_empty               :                        0
VEHICLE_MASS_max                 :                        0
Vehicle_model_year               :
VEHICLE_PEAK_TORQUE              :
vehicle_production_date          :
VEHICLE_RATED_POWER              :
vehicle_type                     :                   1.0000
VELOCITY_LIMIT_rural             :                   100.00
VELOCITY_LIMIT_stop              :                   1.0000
VELOCITY_LIMIT_urban             :                   60.000
VELOCITY_TYPE                    :                   1.0000
vin                              :
Wheel_drive_mode                 :
WLTC_EXTRA_HIGH_SPEED_gkm        :                   90.000
WLTC_HIGH_SPEED_gkm              :                   80.000
WLTC_LOW_SPEED_gkm               :                   133.00
WLTC_MEDIUM_SPEED_gkm            :                   100.00
WLTC_TOTAL_gkm_no_CS             :                        0
WLTP_CO2_total                   :                   97.261
WLTP_CO2_urban                   :                   113.01
WLTP_CS_CO2_total                :                      n/a
WLTP_PHASE_1                     :                   3.0945
WLTP_PHASE_2                     :                   4.7559
WLTP_PHASE_3                     :                   7.1618
WLTP_PHASE_4                     :                   8.2541
WLTP_PHASE_5                     :                   15.012
Y_SPLITTER_TA_GP                 :                  0.10000

[USER SETTINGS]
```

```
AcrRdPath                          :              Reader
AdaptPageSizeForPdfExport          :                 YES
CH_HD_Title_Page_Pic_FilePath      :
CH_LD_Title_Page_Pic_FilePath      :
CH_NRMM_Title_Page_Pic_FilePath    :
CHASSIS_Title_Page_Pic_FilePath    :
EU7_HD_Title_Page_Pic_FilePath     :
EU_HD_Title_Page_Pic_FilePath      :
ExportResultsTo_mf4                :                 YES
FT_DriftCorrection                 :                 YES
GPS_MINIMUM_SATELLITES             :                   4
HD_INDIA_Title_Page_Pic_FilePath:
IRDE3_Title_Page_Pic_FilePath      :
JP_LD_Title_Page_Pic_FilePath      :
NMHCuNumberCalculation             :                 YES
NRMM_Title_Page_Pic_FilePath       :
PDF_READ_ONLY                      :                 YES
PrinterName                        :MicrosoftPrinttoPDF
RDE4_Title_Page_Pic_FilePath       :
RDE5_Title_Page_Pic_FilePath       :
ShowChannelBrowser                 :                 YES
SK_RDE_Title_Page_Pic_FilePath     :
ThresholdInvalidValues             :              1e+100
Title_Page_Pic_Height              :                 110
Title_Page_Pic_Left                :                  72
Title_Page_Pic_Top                 :                  56
Title_Page_Pic_Width               :                 130
UN_168_Title_Page_Pic_FilePath     :
UseXMLNameForResults               :                  NO
ValueNotPresent_High               :
ValueNotPresent_Low                :
```