CONFIDENTIAL

Company	: SEMA	Dyno ID	: SD7811000788
Section	: AVL VECON	Date	: 01-13-2020
Operator	: Daniel Ogden	Time	: 19:03:55

Project	: Derive Ford F-250
VehicleID	: Derive White Ford F250
TestPurpose	: Emissions
EngineID	: BFMXD06.761A
GearBoxID	: Automatic
CatalystType	:
TestFuel	: Diesel
TestNoName	: Derive White Ford F-250
	:
	:

Results Coastdown

Note: Evaluation is based on SAE J2264;

Results of CD type: Adaptation : Accelerated by dyno : Discrete;

Power deviation relative [%]

v_upper [mph]:	v_lower [mph]:	No.1:	No.2:	No.3:	Average:
80.0:	70.0:	-0.36:	-0.56:	-0.81:	-0.58:
70.0:	60.0:	-0.40:	-0.70:	-1.00:	-0.70:
60.0:	50.0:	-0.44:	-0.84:	-1.19:	-0.82:
50.0:	40.0:	-0.48:	-0.97:	-1.36:	-0.94:
40.0:	30.0:	-0.52:	-1.06:	-1.46:	-1.01:
30.0:	20.0:	-0.55:	-1.06:	-1.42:	-1.01:
20.0:	10.0:	-0.55:	-0.86:	-1.10:	-0.84:

:un values{Unit}:	No.1:	No.2:	No.3:	Average:
: F0[lbf]:	80.303:	80.746:	80.972:	0.000:
: F1[lbf/mph]:	1.57020:	1.50775:	1.47136:	1.51644:
: F2[lbf/(mph)²]:	0.038946:	0.039553:	0.039807:	0.039435:

Coastdown with Automatic adaptation

Set values:	Unit:	Dyno:	Road:	Vehicle:
:	F0[lbf]:	61.469:	80.650:	19.181:
:	F1[lbf/mph]:	0.14073:	1.58910:	1.44837:
:	F2[lbf/(mph)²]:	0.049012:	0.038900:	-0.010112:
:	P80[kW]:	18.739:	25.282:	6.543:
:	Rw[kg]:	4309.13:		
:	Rw[lbs]:	9500.00:		
:l rotating [kg]:		0.00:		
: rotating [lbs]:		0.00:		
:ative rotati[%]:		0.00:		
: rot. SIM-Rw*:		Off:		
: Exponent[-]:		2.00:		
: Deviation1[%]:		3.00:		
: Deviation2[%]:		5.00:		
:Dev. speed[mph]:		22.37:		

Max. CD runs:	[-]:	8:
Adaptation runs:	[-]:	3:

Date: 1/14/20

Accept_____ Reject_____

Signature:

CONFIDENTIAL

Company	: SEMA	Dyno ID	: SD7811000788
Section	: AVL VECON	Date	: 01-13-2020
Operator	: Daniel Ogden	Time	: 19:04:07

Project	: Derive Ford F-250
VehicleID	: Derive White Ford F250
TestPurpose	: Emissions
EngineID	: BFMXD06.761A
GearBoxID	: Automatic
CatalystType	:
TestFuel	: Diesel
TestNoName	: Derive White Ford F-250
	:
	:

Results Coastdown

Note: Evaluation is based on SAE J2264;

Results of CD type: Adaptation : Accelerated by dyno : Discrete;

Power measured [hp]

v_upper [mph]:	v_lower [mph]:	No.1:	No.2:	No.3:	Average:
80.0:	70.0:	83.43:	83.26:	83.05:	83.25:
70.0:	60.0:	60.13:	59.95:	59.76:	59.95:
60.0:	50.0:	41.72:	41.55:	41.41:	41.56:
50.0:	40.0:	27.58:	27.44:	27.33:	27.45:
40.0:	30.0:	17.08:	16.98:	16.92:	16.99:
30.0:	20.0:	9.59:	9.54:	9.51:	9.55:
20.0:	10.0:	4.50:	4.49:	4.48:	4.49:

:un values[Unit]:	No.1:	No.2:	No.3:	Average:
: F0[lbf]:	80.303:	80.746:	80.972:	0.000:
: F1[lbf/mph]:	1.57020:	1.50775:	1.47136:	1.51644:
: F2[lbf/(mph)²]:	0.038946:	0.039553:	0.039807:	0.039435:

Coastdown with Automatic adaptation

Set values:	Unit:	Dyno:	Road:	Vehicle:
:	F0[lbf]:	61.469:	80.650:	19.181:
:	F1[lbf/mph]:	0.14073:	1.58910:	1.44837:
:	F2[lbf/(mph)²]:	0.049012:	0.038900:	-0.010112:
:	P80[kW]:	18.739:	25.282:	6.543:
:	Rw[kg]:	4309.13:		
:	Rw[lbs]:	9500.00:		
:l rotating [kg]:		0.00:		
: rotating [lbs]:		0.00:		
:ative rotati[%]:		0.00:		
: rot. SIM-Rw*:		Off:		
: Exponent[-]:		2.00:		
: Deviation1[%]:		3.00:		
: Deviation2[%]:		5.00:		
:Dev. speed[mph]:		22.37:		

Max. CD runs:	[-]:	8:
Adaptation runs:	[-]:	3:

Date: 4/14/20

Accept_____ Reject_____

Signature:

Company	: SEMA	Dyno ID	: SD7811000788
Section	: AVL VECON	Date	: 01-13-2020
Operator	: Daniel Ogden	Time	: 19:03:37

CONFIDENTIAL

Project	: Derive Ford F-250
VehicleID	: Derive White Ford F250
TestPurpose	: Emissions
EngineID	: BFMXD06.761A
GearBoxID	: Automatic
CatalystType	:
TestFuel	: Diesel
TestNoName	: Derive White Ford F-250
	:
	:

Results Coastdown

Note: Evaluation is based on SAE J2264;

Results of CD type: Adaptation : Accelerated by dyno : Discrete;

Force measured [N]

v_upper [mph]:	v_lower [mph]:	No.1:	No.2:	No.3:	Average:
80.0:	70.0:	1855.52:	1851.85:	1847.07:	1851.48:
70.0:	60.0:	1543.14:	1538.46:	1533.72:	1538.44:
60.0:	50.0:	1265.41:	1260.27:	1255.79:	1260.49:
50.0:	40.0:	1022.32:	1017.26:	1013.27:	1017.62:
40.0:	30.0:	813.88:	809.44:	806.16:	809.83:
30.0:	20.0:	640.09:	636.81:	634.47:	637.13:
20.0:	10.0:	500.95:	499.37:	498.20:	499.51:

:un values[Unit]:	No.1:	No.2:	No.3:	Average:
: F0[lbf]:	80.303:	80.746:	80.972:	0.000:
: F1[lbf/mph]:	1.57020:	1.50775:	1.47136:	1.51644:
: F2[lbf/(mph)²]:	0.038946:	0.039553:	0.039807:	0.039435:

Coastdown with Automatic adaptation

Set values:	Unit:	Dyno:	Road:	Vehicle:
:	F0[lbf]:	61.469:	80.650:	19.181:
:	F1[lbf/mph]:	0.14073:	1.58910:	1.44837:
:	F2[lbf/(mph)²]:	0.049012:	0.038900:	-0.010112:
:	P80[kW]:	18.739:	25.282:	6.543:
:	Rw[kg]:	4309.13:		
:	Rw[lbs]:	9500.00:		
:l rotating [kg]:		0.00:		
: rotating [lbs]:		0.00:		
:ative rotati[%]:		0.00:		
: rot. SIM-Rw*:		Off:		
: Exponent[-]:		2.00:		
: Deviation1[%]:		3.00:		
: Deviation2[%]:		5.00:		
:Dev. speed[mph]:		22.37:		

Max. CD runs:	[-]:	8:
Adaptation runs:	[-]:	3:

Date: 4/14/20

Accept_____ Reject_____

Signature:

Company	: SEMA	Dyno ID	: SD7811000788
Section	: AVL VECON	Date	: 01-13-2020
Operator	: Daniel Ogden	Time	: 19:02:37

CONFIDENTIAL

Project	: Derive Ford F-250
VehicleID	: Derive White Ford F250
TestPurpose	: Emissions
EngineID	: BFMXD06.761A
GearBoxID	: Automatic
CatalystType	:
TestFuel	: Diesel
TestNoName	: Derive White Ford F-250
	:
	:

Results Coastdown

Note: Evaluation is based on SAE J2264;

Results of CD type: Adaptation : Accelerated by dyno : Discrete;

Time measured [s]

v_upper [mph]:	v_lower [mph]:	No.1:	No.2:	No.3:	Average:
80.0:	70.0:	10.351:	10.371:	10.393:	10.372:
70.0:	60.0:	12.553:	12.595:	12.645:	12.598:
60.0:	50.0:	15.436:	15.496:	15.554:	15.495:
50.0:	40.0:	19.044:	19.136:	19.196:	19.125:
40.0:	30.0:	22.883:	23.018:	23.115:	23.005:
30.0:	20.0:	30.435:	30.567:	30.654:	30.552:
20.0:	10.0:	38.992:	39.123:	39.243:	39.119:

:un values[Unit]:	No.1:	No.2:	No.3:	Average:
: F0[lbf]:	80.303:	80.746:	80.972:	0.000:
: F1[lbf/mph]:	1.57020:	1.50775:	1.47136:	1.51644:
: F2[lbf/(mph)²]:	0.038946:	0.039553:	0.039807:	0.039435:

Coastdown with Automatic adaptation

Set values:	Unit:	Dyno:	Road:	Vehicle:
:	F0[lbf]:	61.469:	80.650:	19.181:
:	F1[lbf/mph]:	0.14073:	1.58910:	1.44837:
:	F2[lbf/(mph)²]:	0.049012:	0.038900:	-0.010112:
:	P80[kW]:	18.739:	25.282:	6.543:
:	Rw[kg]:	4309.13:		
:	Rw[lbs]:	9500.00:		
:1 rotating [kg]:		0.00:		
: rotating [lbs]:		0.00:		
:ative rotati[%]:		0.00:		
: rot. SIM-Rw*:		Off:		
: Exponent[-]:		2.00:		
: Deviation1[%]:		3.00:		
: Deviation2[%]:		5.00:		
:Dev. speed[mph]:		22.37:		

Max. CD runs:	[-]:	8:
Adaptation runs:	[-]:	3:

Date: 1/14/20

Accept_____ Reject_____

Signature: