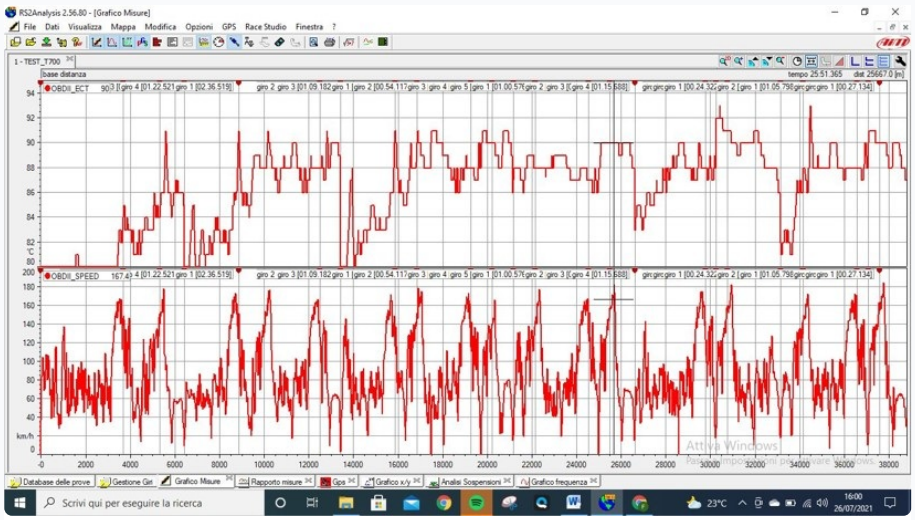
MONZATECH

TEST Kit IEC for Ténéré 700

Date: 07/22/2021
Location: Vivaro (pn)
Execution mode: an off-road route familiar to the rider was chosen to become familiar with the t700, feel the differences with his current bike and adjust the suspension.
Data acquisition: data acquired via can-bus on the obd2 socket of the motorcycle via an aim logger model Solo DL
Monzatech configuration: racing configuration with mechanical pump exclusion as in the photo

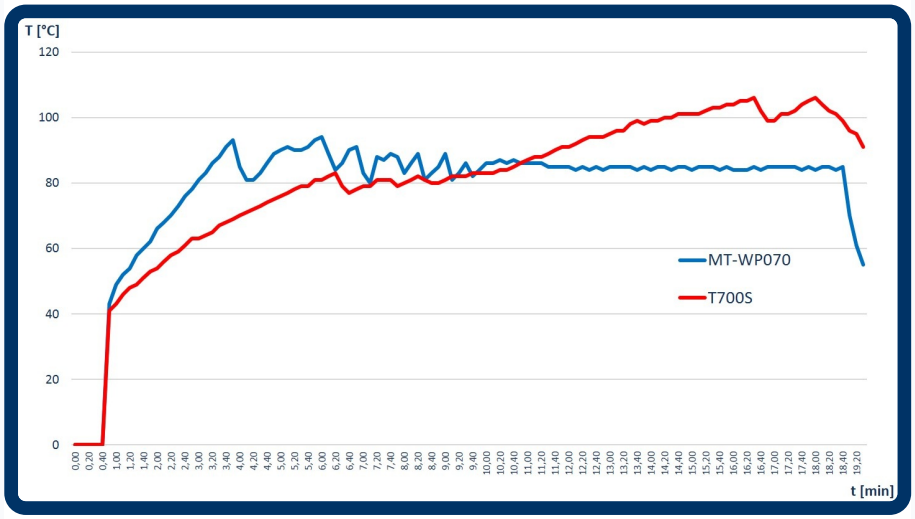
1 - TEST_T700

Giro			GPS_Speed		OBDII_ECT			OBDII_IAT
Num	Tempo	Dist	min	max	min	med	max	med
run 1 / lap 1	00.03.808	14.8	0.0	22.0	31	33	33	29
run 1 / lap 2	03.41.446	3684.8	19.6	136.8	33	70	83	30
run 1 / lap 3	01.37.376	1621.6	10.5	119.9	81	83	86	30
run 1 / lap 4	01.22.521	1124.6	0.1	134.9	84	86	91	31
run 2 / lap 1	02.36.519	2432.8	0.1	138.5	76	81	90	32
run 2 / lap 2	03.27.339	3624.5	5.4	139.3	84	88	91	31
run 2 / lap 3	01.09.182	948.4	0.0	130.7	0	86	91	30
run 3 / lap 1	02.18.818	2428.5	3.8	136.8	0	82	90	33
run 3 / lap 2	00.54.117	989.0	9.2	121.0	85	87	91	32
run 3 / lap 3	02.31.324	2408.6	1.4	140.1	86	89	91	33
run 3 / lap 4	00.52.261	950.6	2.6	131.7	87	89	91	32
run 3 / lap 5	01.09.598	941.8	0.0	127.3	0	88	91	32
run 4 / lap 1	01.00.576	981.9	0.2	104.0	0	87	89	34
run 4 / lap 2	02.12.583	2407.3	5.4	136.2	87	88	89	32
run 4 / lap 3	**00.48.023**	**954.8**	**5.6**	**134.3**	**86**	**88**	**90**	**32**
run 4 / lap 4	01.15.688	1124.6	0.1	142.8	88	89	90	32
run 5 / lap 1	03.02.232	3142.6	4.4	140.2	83	87	90	32
run 5 / lap 2	00.29.047	495.2	0.2	131.6	87	88	89	31
run 6 / lap 1	00.24.322	497.6	0.0	121.4	88	92	93	33
run 6 / lap 2	02.32.967	2390.9	0.0	141.6	86	89	91	32
run 7 / lap 1	01.05.798	1001.8	0.2	107.7	81	83	87	34
run 7 / lap 2	02.08.156	2414.8	5.7	139.0	86	88	93	32
run 7 / lap 3	00.30.657	501.9	5.0	127.3	87	88	90	32
run 8 / lap 1	00.27.134	502.3	8.1	122.3	89	91	91	33
run 8 / lap 2	01.25.557	1235.1	0.0	144.8	87	89	90	32



Despite the external temperature around 34 °C and the extreme usege of the bike, the coolant temperature never exceeded 92 ° C (except two spikes at 93 ° C), keeping an average temperature of 88 °C

Warming test with halted bike



RED: heating up engine for 20 minutes in original condition (mechanical pump). On the plot is pointed the moment in which the fan starts (temperature of 107 °C).
BLUE: heating up engine for 20 minutes with MONZATECH V1 kit we removed the original coolant circuit and with our kit we managed both coolant flow and fan's air flow to keep the engine's temperature at 88 °C.

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