



# Production Test Report

**Final Test Status: FAILED**

Executed Test: HOT TEST SHORT

Engine Serial Number: 86077542

Test Number: 6

## Test Configuration

Engine Serial Number	86077542
Test Specification Number	97420
MODEL	QSB6.7_260
MOD_TYPE	CM850
TST_PAL	7
VOLTAGE	13.00
PROD_ID	E2I
SHUTOFF	3
E_ECMCOD	Z92603.03

## Test Information

Testbed: ZCK\_TC01

Operator: Cummins Operator

Test Date: 2022-02-25

Test Start: 09:50:20

Test End:

## Teststatus per Phase

Testpoint	Teststatus	Operator	PLC-Error	Meas.Err.	Mat. Review	ECM Error
SETUP	PASSED	0	0	0	0	0
COLD_CRANK	PASSED	0	0	0	0	0
COLD_CRANK_2	PASSED	0	0	0	0	0
ENGINE_START	PASSED	0	0	0	0	0
LOW_IDLE	FAILED	0	0	0	0	1
HIGH_IDLE	FAILED	0	0	1	0	1
RATED_HP	FAILED	0	0	1	0	1
TORQUE_PEAK	FAILED	0	0	1	0	1
LOW_IDLE_2	FAILED	0	0	0	0	1
ENGINE_SHUTDOWN	PASSED	0	0	0	0	0
FINAL_STATUS	FAILED	0	0	1	0	1



# Production Test Report

**Final Test Status: FAILED**

Engine Serial Number: 86077542

Executed Test: HOT TEST SHORT

Test Number: 6

## Reject Codes

Code	Testpoint	Description	Type	Channel	Unit	Lower Limit	Value	Upper Limit
OVERRID	SETUP	Error on setting the parameter [SEND_OPERATION=r	ECM	-	-	0.00	0.00	0.00
OVERRID	ENGINE_START	Error on setting the parameter [SEND_OPERATION=r	ECM	-	-	0.00	0.00	0.00
122	LOW_IDLE	IMP SENSOR #1 CIRCUIT SHORTED HIGH	ECM			0.00	0.00	0.00
285	LOW_IDLE	J1939 MUX PGN TIMEOUT ERROR	ECM			0.00	0.00	0.00
451	LOW_IDLE	APC DIESEL PRS OOR HIGH ERROR	ECM			0.00	0.00	0.00
122	HIGH_IDLE	IMP SENSOR #1 CIRCUIT SHORTED HIGH	ECM			0.00	0.00	0.00
285	HIGH_IDLE	J1939 MUX PGN TIMEOUT ERROR	ECM			0.00	0.00	0.00
451	HIGH_IDLE	APC DIESEL PRS OOR HIGH ERROR	ECM			0.00	0.00	0.00
HSPL	HIGH_IDLE	High Idle Speed Low	MES	SPEED	rpm	2200.00	1154.2	2350.00
122	RATED_HP	IMP SENSOR #1 CIRCUIT SHORTED HIGH	ECM			0.00	0.00	0.00
285	RATED_HP	J1939 MUX PGN TIMEOUT ERROR	ECM			0.00	0.00	0.00
451	RATED_HP	APC DIESEL PRS OOR HIGH ERROR	ECM			0.00	0.00	0.00
RSPL	RATED_HP	Rated Speed Low	MES	SPEED	rpm	1998.00	1153.9	2002.00
RKWL	RATED_HP	Rated KW low	MES	P	kW	197.00	1.01	230.00
RFRL	RATED_HP	Rated Fuel Rate low	MES	FB_RATE	kg/h	42.00	7.01	50.00
RBBL	RATED_HP	Rated blow by low	MES	BLOW_VAL	kPa	0.10	0.05	3.00
122	TORQUE_PEAK	IMP SENSOR #1 CIRCUIT SHORTED HIGH	ECM			0.00	0.00	0.00
285	TORQUE_PEAK	J1939 MUX PGN TIMEOUT ERROR	ECM			0.00	0.00	0.00
451	TORQUE_PEAK	APC DIESEL PRS OOR HIGH ERROR	ECM			0.00	0.00	0.00
TTQL	TORQUE_PEAK	Torque Peak Torque low	MES	TORQUE	Nm	949.00	8.31	1107.00
TFRL	TORQUE_PEAK	Torque Peak Fuel Rate low	MES	FB_RATE	kg/h	27.00	2.66	40.00
TBBL	TORQUE_PEAK	Torque Peak blow by low	MES	BLOW_VAL	kPa	0.10	0.05	3.00
122	LOW_IDLE_2	IMP SENSOR #1 CIRCUIT SHORTED HIGH	ECM			0.00	0.00	0.00
285	LOW_IDLE_2	J1939 MUX PGN TIMEOUT ERROR	ECM			0.00	0.00	0.00
451	LOW_IDLE_2	APC DIESEL PRS OOR HIGH ERROR	ECM			0.00	0.00	0.00



# Production Test Report

**Final Test Status: FAILED**

Engine Serial Number: 86077542

Executed Test: HOT TEST SHORT

Test Number: 6

## ECM Fault Codes

Testpoint	Number	Description	Masked	Active
LOW_IDLE	122	IMP SENSOR #1 CIRCUIT SHORTED HIGH	N	A
LOW_IDLE	285	J1939 MUX PGN TIMEOUT ERROR	N	A
LOW_IDLE	428	WATER IN FUEL SENSOR CIRCUIT SHORTED HIGH ERROR	A	A
LOW_IDLE	451	APC DIESEL PRS OOR HIGH ERROR	N	A
LOW_IDLE	2555	GHC LOW VOLTAGE ERROR #1	A	A
HIGH_IDLE	122	IMP SENSOR #1 CIRCUIT SHORTED HIGH	N	A
HIGH_IDLE	285	J1939 MUX PGN TIMEOUT ERROR	N	A
HIGH_IDLE	428	WATER IN FUEL SENSOR CIRCUIT SHORTED HIGH ERROR	A	A
HIGH_IDLE	451	APC DIESEL PRS OOR HIGH ERROR	N	A
HIGH_IDLE	2555	GHC LOW VOLTAGE ERROR #1	A	A
RATED_HP	122	IMP SENSOR #1 CIRCUIT SHORTED HIGH	N	A
RATED_HP	285	J1939 MUX PGN TIMEOUT ERROR	N	A
RATED_HP	428	WATER IN FUEL SENSOR CIRCUIT SHORTED HIGH ERROR	A	A
RATED_HP	451	APC DIESEL PRS OOR HIGH ERROR	N	A
RATED_HP	2555	GHC LOW VOLTAGE ERROR #1	A	A
TORQUE_PEAK	122	IMP SENSOR #1 CIRCUIT SHORTED HIGH	N	A
TORQUE_PEAK	285	J1939 MUX PGN TIMEOUT ERROR	N	A
TORQUE_PEAK	428	WATER IN FUEL SENSOR CIRCUIT SHORTED HIGH ERROR	A	A
TORQUE_PEAK	451	APC DIESEL PRS OOR HIGH ERROR	N	A
TORQUE_PEAK	2555	GHC LOW VOLTAGE ERROR #1	A	A
LOW_IDLE_2	122	IMP SENSOR #1 CIRCUIT SHORTED HIGH	N	A
LOW_IDLE_2	285	J1939 MUX PGN TIMEOUT ERROR	N	A
LOW_IDLE_2	428	WATER IN FUEL SENSOR CIRCUIT SHORTED HIGH ERROR	A	A
LOW_IDLE_2	451	APC DIESEL PRS OOR HIGH ERROR	N	A
LOW_IDLE_2	2555	GHC LOW VOLTAGE ERROR #1	A	A



# Production Test Report

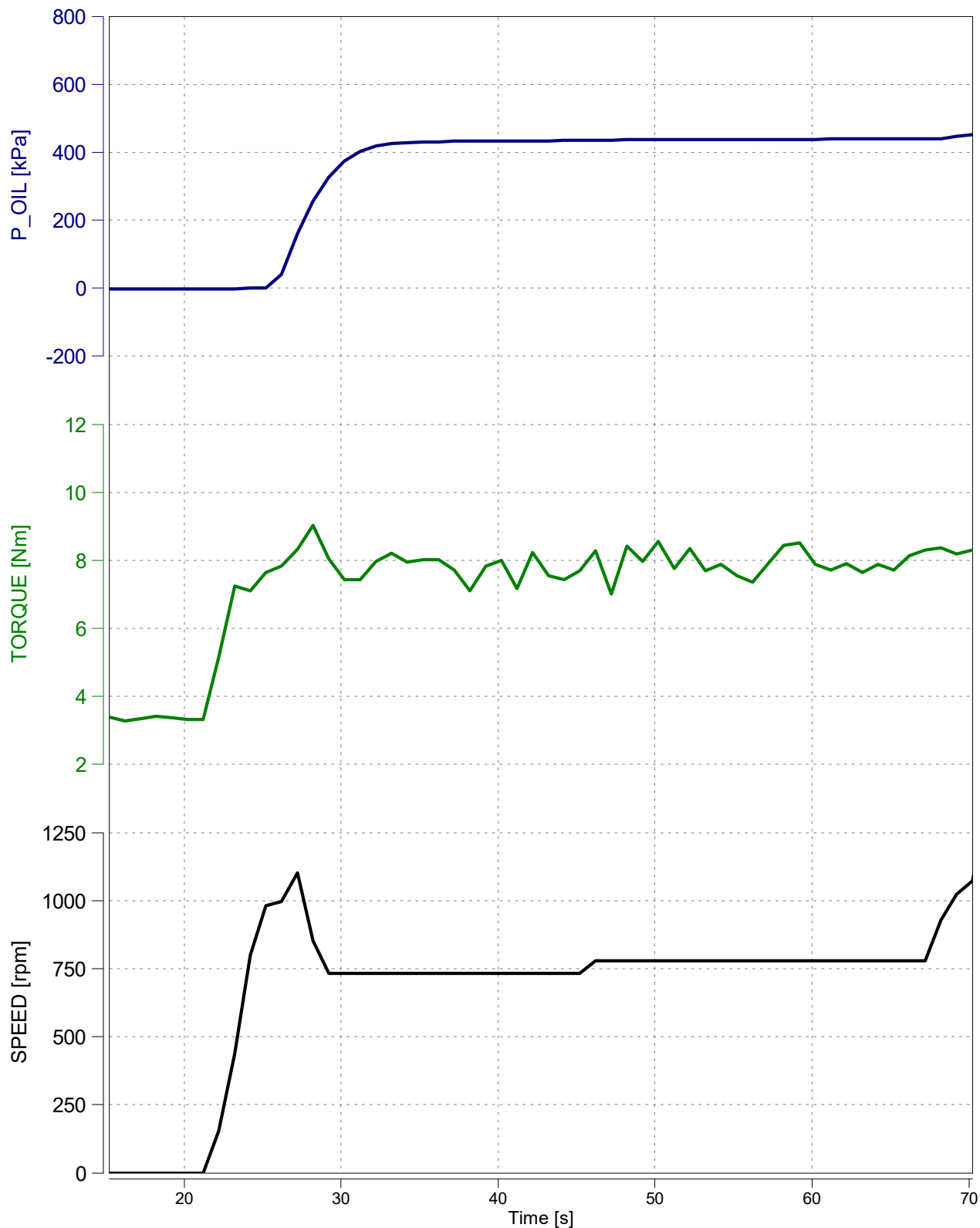
**Final Test Status: FAILED**

Engine Serial Number: 86077542

Executed Test: HOT TEST SHORT

Test Number: 6

## Oil Pressure Check





# Production Test Report

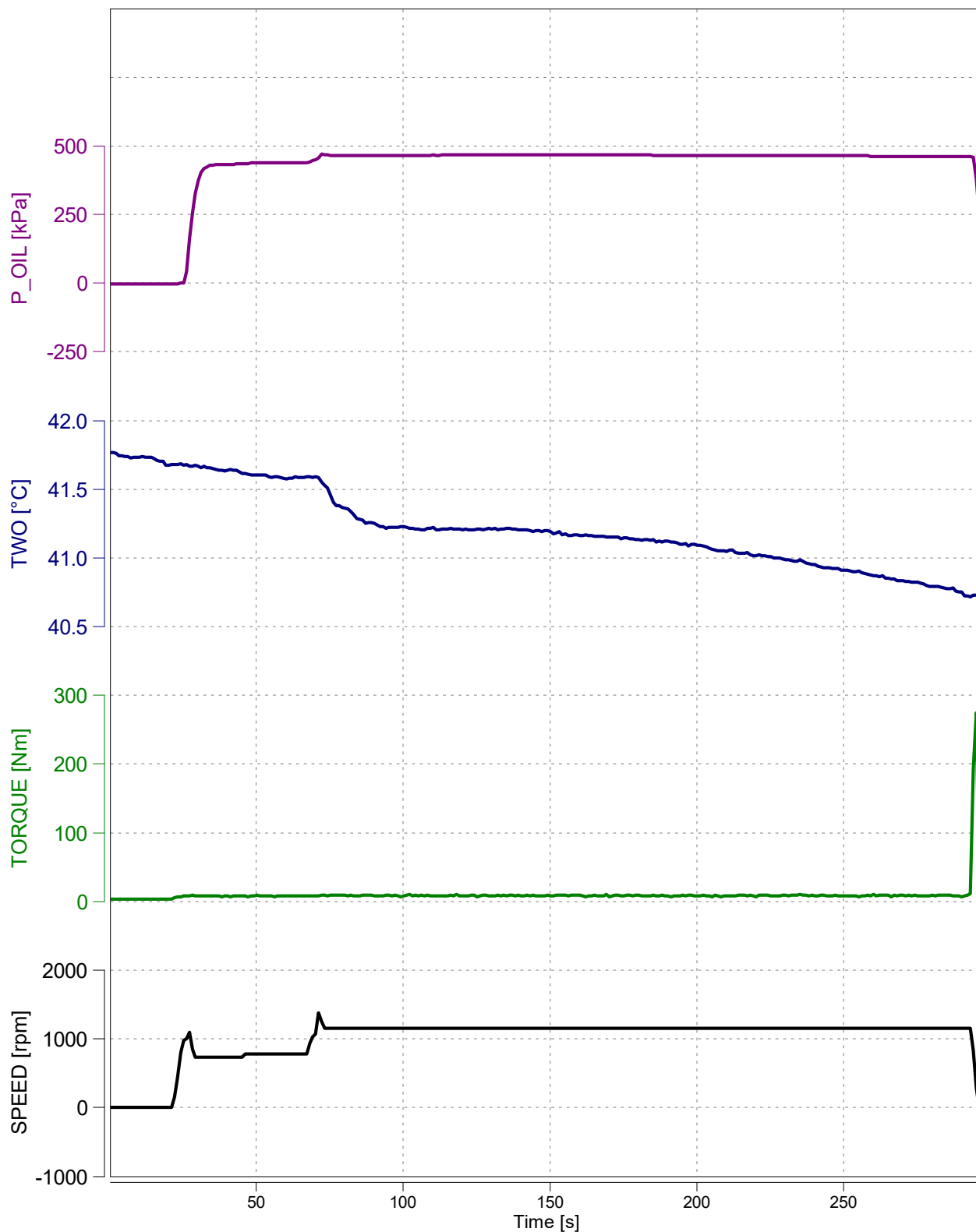
**Final Test Status: FAILED**

Engine Serial Number: 86077542

Executed Test: HOT TEST SHORT

Test Number: 6

## Overall Recorder





# Production Test Report

**Final Test Status: FAILED**

Engine Serial Number: 86077542

Executed Test: HOT TEST SHORT

Test Number: 6

	Unit	Lower Limit	Value	Upper Limit	Status
<b>LOW_IDLE</b>					
SPEED	rpm	1100.00	1154.04	1200.00	PASSED
P_OIL	kPa	100.00	465.67		PASSED
OPA_ANLG	-		4.86		
<b>HIGH_IDLE</b>					
SPEED	rpm	2200.00	1154.26	2350.00	FAILED
P_OIL	kPa		466.54		
<b>RATED_HP</b>					
SPEED	rpm	1998.00	1153.97	2002.00	FAILED
P	kW	197.00	1.01	230.00	FAILED
FB_RATE	kg/h	42.00	7.01	50.00	FAILED
P_INTAKE	kPa		3.27		
P_OIL	kPa	275.00	465.60		PASSED
BLOW_VAL	kPa	0.10	0.05	3.00	FAILED
OPA_ANLG	-	0.00	4.86	15.00	PASSED
T_FUEL	°C	38.00	38.34	45.00	PASSED
P_FUEL	kPa		*		
T_TUR_IN	-		*		
<b>TORQUE_PEAK</b>					
SPEED	rpm		1154.61		
TORQUE	Nm	949.00	8.31	1107.00	FAILED
FB_RATE	kg/h	27.00	2.66	40.00	FAILED
BLOW_VAL	kPa	0.10	0.05	3.00	FAILED
OPA_ANLG	-	0.00	4.86	15.00	PASSED
T_FUEL	°C	38.00	38.47	45.00	PASSED
P_FUEL	kPa		*		
T_TUR_IN	-		*		
<b>LOW_IDLE_2</b>					
SPEED	rpm	1100.00	1154.23	1200.00	PASSED
P_OIL	kPa	100.00	461.96		PASSED
OPA_ANLG	-		4.86		