

DIVISION OF PRODUCTION TECHNOLOGY  
 CSIR  
 COMBUSTION ENGINE TECHNOLOGY  
 EVALUATION OF CATALYTIC CONVERTERS  
 FOR  
 DIESEL ENGINES IN MINING APPLICATIONS

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TABLE 10 EMISSION LEVELS RECORDED DURING TESTING OF CATALYTIC CONVERTER F

	HC (ppmC)	CO <sub>2</sub> (%)	CO (ppm)	SO <sub>2</sub> (ppm)	NO <sub>2</sub> (ppm)	NO (ppm)	NO <sub>x</sub> (ppm)	O <sub>2</sub> (ppm)	EXCESS AIR
ENGINE OPERATING CONDITION: 2 200 r/min AT PART LOAD (400 °C)									
INLET	98	8,3	254	48	134	389	523	9,4	1,82
OUTLET	32	8,2	100	20	150	373	523	9,2	1,79
ENGINE OPERATING CONDITION: 2 200 r/min AT PART LOAD (300 °C)									
INLET	117	5,8	226	29	113	319	432	11,9	2,32
OUTLET	41	5,8	86	27	119	324	443	11,6	2,26
ENGINE OPERATING CONDITION: 1 800 r/min AT FULL LOAD									
INLET	66	10,3	289	72	145	435	581	7,0	1,51
OUTLET	26	10,2	107	12	152	429	581	7,0	1,51

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