

Test report Reference: 23/06853

	*2016/1628 NRE-v-5	0.4	0.020	400	20	
	100 th Percentile Result	0.4	0.024	400	<u>24</u> 26	
	90 th Percentile Result	0.4	0.013	400 400	13	
	0 th Percentile Result	g/kWh		mg/kWh		
		Stage V NOx Limit*	JCB H2ICE NOx Result	Stage V NOx Limit*	JCB H2ICE NOx Result	
	Results of Tailpipe NOx measurements:					
	The work performed during the test was six times the reference work. UTAC test reference JCB_ESSAI FROID 1_20230706_1_3_MDT_Result_V2.					
	 Fuel: Hydrogen to ISO 14687 Grade D Testing: Cold start, site and standard roading, medium stone rehandling & hill climb. 					
Comments	The testing was conducted to the provisions of EU regulation 2017/655 as relating to engine category NRE-v-5, using the work-based windows approach. Note that this is a performance test report and does not constitute an approval under EU 2016/1628.					
Testing date	06/07/2023	Internal reference		ARC SAS 2305452		
Unit / Test site	Wardlow Quarry, Cauldon Low, Stoke-on-Trent, Staffordshire, England, ST10 3HA					
Subject	Vehicle on test : JCB 3CX Backhoe Loader Power Unit : JCB Hydrogen Internal Combustion Engine, 71kW fitted with Selective Catalytic Reduction aftertreatment. UTAC conducted machine emissions testing at the request of JCB. The testing was conducted to the provisions of EU regulation 2017/654 as relating to engine category NRE-v-5 and according to the requirements of EU regulation 2017/655.					
1	England ST14 5JP					
Applicant	J. C. Bamford Excavators Rocester, Staffordshire	s Ltd. (JCB)				

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Functions	Test Project Manager
Date (day/month/year)	28/08/2023
Signature	S'GNED.

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