

# Inquiry Form Exhaust Aftertreatment Systems for Mobile Machinery

To enable us to make you a preliminary quote, please fill in this Inquiry Form and send it to:

**T.F. Hudgins, Incorporated**  
 Fax 713-682-1109  
 Email [cbeery@tfhudgins.com](mailto:cbeery@tfhudgins.com)

Company*	<input style="width: 95%;" type="text"/>		
Contact*	<input style="width: 95%;" type="text"/>		
Street/No.*	<input style="width: 95%;" type="text"/>	City, State*	<input style="width: 75%;" type="text"/>
Phone*	<input style="width: 45%;" type="text"/>	Fax	<input style="width: 45%;" type="text"/>
E-Mail	<input style="width: 95%;" type="text"/>		

## General Data

**\*Mandatory fields**

Engine manufacturer*	<input style="width: 95%;" type="text"/>		Type	<input style="width: 95%;" type="text"/>	
Year of construction	<input style="width: 30%;" type="text"/>	Engine capacity [cm <sup>3</sup> ]	<input style="width: 30%;" type="text"/>	Engine running time/annum [op. h]	<input style="width: 30%;" type="text"/>
Power output*	KW <input type="checkbox"/> HP <input type="checkbox"/>	Engine speed [rpm]	<input style="width: 30%;" type="text"/>	No. of cylinders	<input style="width: 30%;" type="text"/>
Vehicle Voltage*	12 V <input type="checkbox"/> 24 V <input type="checkbox"/>	Turbocharger*	Yes <input type="checkbox"/> No <input type="checkbox"/>		
<b>Emission class*</b>					
EU directive on emissions from non-road mobile machinery	Stage I <input type="checkbox"/>	Stage II <input type="checkbox"/>	Stage III A <input type="checkbox"/>	Stage III B <input type="checkbox"/>	Stage IV <input type="checkbox"/>
U.S. EPA nonroad regulations	TIER 1 <input type="checkbox"/>	TIER 2 <input type="checkbox"/>	TIER 3 <input type="checkbox"/>	TIER 4 interim <input type="checkbox"/>	TIER 4 <input type="checkbox"/> other <input style="width: 30%;" type="text"/>
Fuel (if different from DIN 590 Diesel)*	<input style="width: 95%;" type="text"/>				
Max. permissible exhaust backpressure [mbar]*	<input style="width: 45%;" type="text"/>		Max. exhaust-gas temperature [C°]	<input style="width: 45%;" type="text"/>	
Description of the application range (e.g. wheel loader for excavation work, forklift truck for logistics work, stationary applications, etc.)					
<input style="width: 95%;" type="text"/>					
Operating times [%]	Idle	<input style="width: 30%;" type="text"/>	Part load	<input style="width: 30%;" type="text"/>	Full load <input style="width: 30%;" type="text"/>

# Fill in following fields only when placing an order:

Company\*

Contact\*

## Technical Data

Motor oil (we recommend low-ash oils) Manufacturer <input type="text"/>	Type <input type="text"/>	Consumption [l/100 Op. h] <input type="text"/>
Max. exhaust mass flow/volume flow rate [kg/h] / [m <sup>3</sup> /min] <input type="text"/>	PM emissions [g/h, g/KWh] <input type="text"/>	
NOx emissions [g/KWh] <input type="text"/>	For stationary application (engine speed/load range) <input type="text"/>	
Max. permissible surface temperature of exhaust-gas aftertreatment system [°C] <input type="text"/>		
Diameter of exhaust pipework at future DPF position [mm] <input type="text"/>		
Internal exhaust-gas recirculation <input type="checkbox"/>	External exhaust-gas recirculation <input type="checkbox"/>	No exhaust-gas recirculation <input type="checkbox"/>

## Data for a SMF<sup>®</sup> system

Exhaust-gas temp. measurements over min. 30 op. h available

Yes\*  No

\* Temperature measurement data under all application conditions over a period of approx. 30 h engine running time.

The temperature measurements must be taken at the future installation position of the exhaust-gas aftertreatment system using a NiCrNi or PT-200 temperature sensor and 1-Hz recording rate at the centre of the exhaust-gas flow.

## Data for a SMF<sup>®</sup>-AR system

Fuel tank capacity [l] <input type="text"/>	Fuel consumption [l/h] <input type="text"/>
Alternator rating [Ah]* <input type="text"/>	
Battery capacity [Ah] <input type="text"/>	
Diameter of inlet manifold between air filter and turbocharger [mm]	
outer <input type="text"/>	inner <input type="text"/>
Availability at terminal W (alternator speed signal)	
Yes <input type="checkbox"/>	no <input type="checkbox"/>
Fuel tank sensor (type/signal voltage)	
<input type="text"/>	

## I am sending the following additional information:

- Layout of installation space
- Technical data sheet of the engine
- Result of the exhaust-gas temperature measurement
- Engine data (exhaust-gas temperature, fuel consumption, NOx/PM emissions)
- Measurements of the NOx/PM emissions under operating conditions

Notes (e.g. special safety requirements):