Request for Information Steel Founding

Company name:

Contact Person (Surname, name, patronymic, and job position):



Tel./Fax:	E-mail:					
Country:	City:					
1) Tasks to be tackled To be compl	eted!					
to increase melt fluidity		☐ to improv	e the wear	resistance of cas	tings	
☐ to decrease the probability of crack formation		to enhance the impermeability of castings				
□ to improve casting surface quality□ to enhance mechanical properties		□ to improve the machinability of castings□ other (to be indicated)				
2) Steel grades (Please indicate one):	or more grades	of steel; indica	ate produc	tion volume of st	teel per month):	
☐ Low-alloy steel	☐ Medium-al	loy steel		☐ High-alloy ste	el	
t		t			t	
☐ Carbon steel	Other					
t		t				
3) Smelting vessel:						
☐ Induction furnace		☐ Electric arc furnace				
Capacity:		Capacity:				
Lining:		Li	ining:			
□ Acid □ Basic □ Ne	utral		☐ Acid	☐ Basic	☐ Neutral	
4) Casting/molding method:						
green sand casting		no no	o-bake cas	ting		
☐ die casting	pressure casting					
☐ centrifugal casting	shell mold casting					
investment casting			st foam cas	sting		
other technologies (to be indicated)						
5) Molding equipment (describe its production rate; if there are several sev						
make and model:cap	acity:	mo	ld box dim	ensions:		

6) Capacity and type	es of available ladles:				
			ladle with sliding	cylindrical	
tea pot ladle	stopper ladle	two-stopper ladle	gate valve	cylindrical	
t	t	t	t	t	
tilting ladlet					
6.1) Capacity and typ	pe of ladle to be used f	or inoculation (to be ind	icated):t, _		_type
7) Wire feeder:					
☐ Single strand wire	feeder Tv	win strand wire feeder	☐ None		
8) Argon treatment e	equipment:				
☐ Stationary		Portable			
	_	s parameters for making			
 alloy grade to be in foundry returns as residual calcium co	oculated part of charge materia ontent:	; als, %;	;		
\square 0.002% and less	□ 0.002%	and more			
- residual aluminum	content:				
\square 0.02% and less	□ be	etween 0.02 and 0,05%	\square 0.05% and more		
temperature of moltemperature of molweight of casting(s)castings per mold	Iten metal being tapped Iten metal being poured producedpcs.; kness of casting(s) processes of casting(s) processes of casting(s)	d into molds (to be indic	°C; ated): °C;	%, P	%;
11) Inoculation pract	tice (if any):				
11.1) Inoculant being	g used (manufacturer's	s name, grade to be indic	cated):		
11.2) Duration of poo	uring of the molten ste	el following its inoculation	on:		
☐ 10 min. and less	between 10 and 1	5 min. 15 min. and	l more		
19) QA/QC:					
Laboratory for test	ting molding materials	☐ Metallography labo	ratory		
☐ Mechanical labora	atory	■ NDE laboratory			
☐ Chemical laborator	ry				