

R1 42 01 01 Technical Directive

Hydraulics-directive for suppliers, erection companies, managers and users Part 1: Scope and application

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Issue: November 2003

Version: 3.0

Intended for the location IJmuiden

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Information on:		
Contents of document	PTC MTE WIT HPS	tel. +31 (0)251-4 93948
Standardisation	Standardisation office	tel. +31 (0)251-4 97693

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In general the directives can be split u	p in Directive	R142.01.01 es for Engineering and Directives specific for Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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Components.	R1 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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Consulting the Directives is very important for the	realization of new Or modernized equipment and Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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systems. Many years of experience of hydraulics	for Iron and Steel industries have been put in the Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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Directives. These industries are characterized by:	R1 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users
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TT 1 4 1 1 1	R1 42 01 01
• Heavy industrial equipment	Hydraulics-directive for suppliers, erection
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	I	D1 47 01 01
Continuous operation		R1 42 01 01 Hydraulics-directive for suppliers, erection
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• High costs for unscheduled stops	R1 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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This results in demands with regard to:	R1 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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• Life time expectancy	R1 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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Poliability and availability	R1 42 01 01
• Reliability and availability	Hydraulics-directive for suppliers, erection
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Maintainability		R1 42 01 01
• Ivianitamaonity		Hydraulics-directive for suppliers, erection
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Tł	ne demands are understandably stern but need no	t lead to high costs for good designs. Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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The Engineering Directives can be found in Part 2	General R1 42 01 01
The Engineering Directives can be found in Part 2	Hydraulics-directive for suppliers, erection
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Component selection	R1 42 01 01 Hydraulics-directive for suppliers, erec companiers, managers and users	tion
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The other paragraphs contain a selection of compo	hents preferably used at Corus IJmuiden. Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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]	The need for a central storage of standard spare par	ts (valves, cylinders, piping components etc.) is Hydraulics-directive for suppliers, erection
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still important for all Business Units.	These compo	nents will therefore be required in most cases. Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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I	f components will be selected deviating from thos	e mentioned in the B1 42.01.01 Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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have to be acquired.	R1 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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F	or each project a selection of paragraphs of the D	rective will be specified which are an integral Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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art of the project-specification.	R1 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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The latest version of the Directive must be used.	R1 42 01 01 Hydraulics-directive for suppliers, erection
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Deviations from the Directive are allowed only af	er consultation with the project engineer Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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IJmuiden, May 2002	Hydraulics-directive for suppliers, erection companiers, managers and users
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– Suppliers of hydraulics (as a part of end	R1 42 01 0.1 Juiries and ordering specifications) Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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 Erection companies 	R1 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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– Users and managers of hydraulic	systems	nyulaulics-ullective for suppliers, election
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 The engineering department and educations R1 42 01 01 Hydraulies-directive for suppliers, erection companiers, managers and users Part 1: Scope and application 	 The engineering department and educa 	R1 42 01 01
Part 1: Scope and application	The engineering department and educa	Hydraulics-directive for suppliers, erection
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1.2. AIM	Hydraulics-directive for suppliers, erection
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To realise appropriate hydraulics systems	for Corus IJmuiden B. 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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The reader consists of directiv	es for engin	eering of hydraulics in the first place, further Hydraulics-directive for suppliers, erection companiers, managers and users
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more requirements concerning drawings,	(find) inspection, supply, erection and Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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commissionary.	R1 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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The directives are split up in groups for e	R1 42 01 01 nergy conversion and storage, conditioning, Hydraulics-directive for suppliers, erection companiers, managers and users
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control use distribution and instrumentat	on. R1 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users
control, use, distribution and histramental	Hydraulics-directive for suppliers, erection
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Moreover, for each group are data	availab	R1 42 01 01 le with a selection of components, of which Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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systems are to be constructed.		R1 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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Divided as follows:	R1 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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R1 42 01 02 General	R1 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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R1 42 01 03	Selection of pumps	R1 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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R1 42 01 04	Selection conditionin	g equipment R1 42 01 01
		g equipment R1 42 01 01 Hydraulics-directive for suppliers, erection
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R1 42 01 05	Selection control- and	R1 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users
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R1 42 01 06	Selection cylinders an	nd hydromotors R1 42 01 01 Hydraulics-directive for suppliers, erection
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R1 42	01 07 Selectio	n measuring-	directing- and controlequipment Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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R1 42 01 08	Selection piping	R1 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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If other components are necessary or pre	ferred, consult the hydraufic engineer involved. Hydraulics-directive for suppliers, erection companiers, managers and users
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.3. STANDARDS	R1 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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Apart from the components as listed in the	nis issue, the application of certain components is Hydraulics-directive for suppliers, erection
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obligatory,	for reasons of sa	fety, environn	ment and other legal R1 42 01 01 Hydraulics-directive for supplie companiers, managers and Part 1: Scope and applica	users
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These components are listed in the O	Corus Standard for Hydraulics, 201 01 Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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S1	42 01 01, where accumula	ators with the	ir safetyblocks and accessories, plus safety Hydraulics-directive for suppliers, erection companiers, managers and users
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valves can be found.		R1 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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1.4.	OTHER DOCUMENTS	R1 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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1 4 1 Standarda	R1 42 01 01
1.4.1. Standards	Hydraulics-directive for suppliers, erection companiers, managers and users
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Beside the Corus Standards and Technic	cal Directives the National (NEN) and International Hydraulics-directive for suppliers, erection companiers, managers and users
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(EN;ISO) standards for hydraulics are to	be respected, unless Otherwise agreed. Hydraulics-directive for suppliers, erection companiers, managers and users
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Of importance will be the Eu	ropean norm	NEN-EN 982: Safety for machines, security Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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requirements for fluidsystem	s and hydraul	ic components R1 42 01 01 Hydraulics-directive for suppliers, erection
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1.4.2. Conservation	R1 42 01 01 Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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For conservation see Technical Directive	R3 10 56 01, especially chapter 10.1. Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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For drawing requirements see	Technical D	Pirective R1 05 80 01, especially chapter 5. Hydraulics-directive for suppliers, erection companiers, managers and users Part 1: Scope and application
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