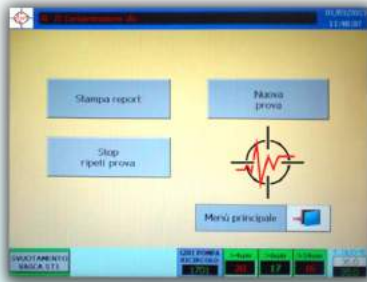


The test report do state all test phases and results together with other Company data and may be customised;



The **TOTAL TEST** software do allow the generation of reports in PDF format and customized paper forms. The report can include graphs and statistical data and can be easily filed.

Faroil S.r.l.
Codice: R20120329
Qta. N° 0001 Di N° 0002
Operatore: Admin
Pres.Es. BAR 0200
Temp. Olio °C 050.3
Cnt. Olio ISO 18/16/13
Misura stelo mm 0505.0
"Camera A"
Pres. Max. BAR 0200
Delta P TEST OK
Durata (m:s) 00:10
Scorrimento BAR 003.0
"Camera B"
Pres. Max. BAR 0202
Delta P TEST OK
Durata (m:s) 00:10
Scorrimento BAR 002.7
Prova intermedia ok
Prova positiva
Cicli alta pressione N°001
T.TOTAL. (h:m:s) 00:02:12
DATA-ORA 02/07/12 13:47

INTERPUMP HYDRAULICS INTERNATIONAL		IHI	
<b>CONTARINI</b>		Rev. Doc.	02
<b>Certificato di collaudo funzionale.</b>		Del	21/06/2012
<i>Testing report</i>		DOC.N°	97/13
		Data/Ora	18/03/2013
Comessa: CO 1301007	Quantità N°: 0005		
Work order n°:	Total quantity:		
Codice Disegno: XE442001040HM20	di N°: 0005		
Drawing number:	Number of tested cylinders:		
Pres. Es. (Bar) 0200	Cnt. Olio ISO: 26/25/19		
Working pressure:	Oil impurities:		
Temp. Olio C° 043.6	Misura stelo (mm):		
Oil temperature:	Stroke:		
Operatore: Mario Rossi	Machine operator:		
<b>"Camera A"</b>		<b>"Camera B"</b>	
<i>Annulus side of the cylinder</i>		<i>Full bore side of the cylinder</i>	
Pres. Max. (Bar) 0200	Pres. Max. (Bar) 0200		
Maximum pressure:	Maximum pressure:		
Delta P: TEST OK	Delta P: TEST OK		
Pressure range:	Pressure range:		
Durata (m:s) 00:20	Durata (m:s) 00:20		
Time test (min/sec):	Time test (min/sec):		
Scorrimento (Bar)	Scorrimento (Bar)		
Break of pressure:	Break of pressure:		
Esito collaudo: PROVA POSITIVA	Data/Ora: 18/03/2013 - 15:36		
Test results report:	Date/Time:		
Cicli alta pressione N°: 001	Tempo totale (h:m:s): 00:06:54		
Number of cycles with high pressure:	Time test:		
<b>Riepilogo Final results</b>			
Comessa: CO 1301007	Quantità pezzi N°: 0005		
Work order n°:	Total quantity:		
Codice Disegno: XE442001040HM20	Operatore: Mario Rossi		
Drawing number:	Machine operator:		
Cilindri conformi: 0005	Cilindri non conformi: 0000		
Conformity:	Not conformity:		
Note:			
Documents attached:			
<p>Si conferma che la Contarini Leopoldo S.r.l. ha costruito il cilindro seguendo scrupolosamente le richieste specifiche del cliente riportate nel disegno costruttivo contrassegnato dal timbro e dalla firma del cliente e che il controllo dimensionale ed il collaudo funzionale hanno dato esito positivo.</p> <p>The company Contarini Leopoldo S.r.l. confirms that the cylinders have been executed strictly following the customer specifications, indicated on the constructive drawing signed and stamped for approval by the Customer, and that the dimensional and the hydraulic inspection gave a positive outcome.</p>		<p>Responsabile del Sistema di Gestione della Qualità:</p> <p>Quality manager:</p> <p>CONTARINI LEOPOLDO S.r.l. Società Unipersonale Via A. Volta, 34 - 48022 Lugo RA - ITALIA Tel. 0994 44111 - Fax 0994 44112 C.S. euro 48.000,00 - R.E.A. di Bologna 48017 Reg. Imp. di Bologna, C.F. e P.IVA n. 00956710397</p>	
M 09 C - Certificato di collaudo funzionale			
<p>Contarini Leopoldo srl è socio unico Sede Legale: via A. Volta, 34 • 48022 Lugo RA - Italy • T. +39 0545 281111 • F. +39 0545 44112 Cap. Soc. Euro 48.000,00 i.v. • C.F. - Partita Iva e Reg. Imp. n. RA 00096710397 • P.IVA n. 00956710397 Soggetta ad attività di Direzione e Coordinamento da parte di Interpump</p>			

**EXAMPLE CUSTOM REPORT**

**EXAMPLE STANDARD REPORT**



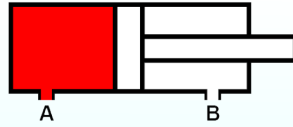


**EXAMPLE  
CUSTOM REPORT**

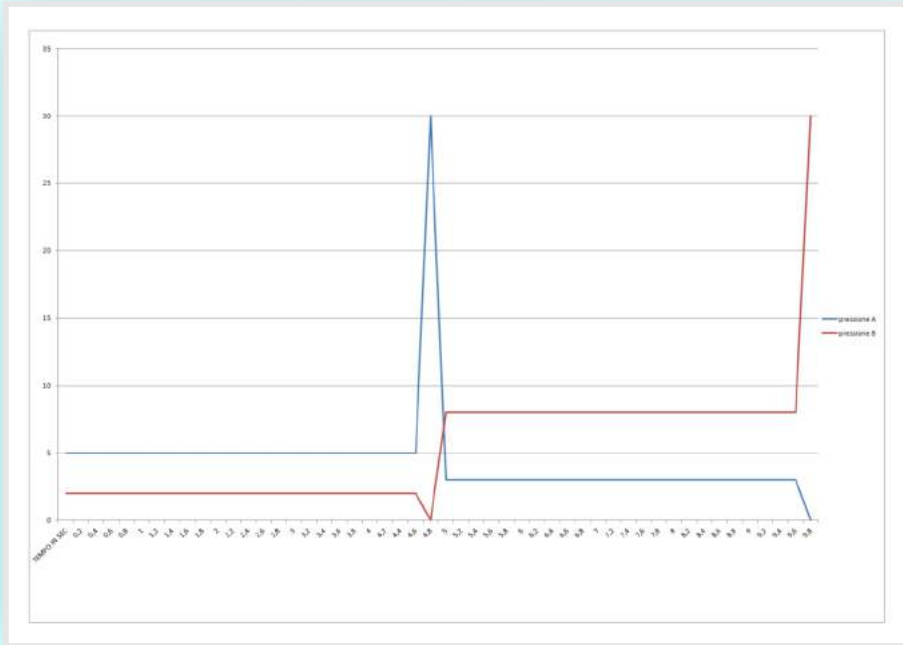
**Seal and leakage test.**

Seals and cylinder structure are tested by carrying out a test at predefined static pressure with sealed ports. As cylinder structure and hydraulic oil are basically not compressible, any leakage do cause a pressure drop. The pressure drop measured by the machine during the preset test time do define the result of the test. Possible problems conditioning cylinder test are seal settlement, full cylinder fill up, test time and oil temperature inside the cylinder (also depending on ambient conditions) and consequent cylinder frame temperature. To avoid the above, the machine carries out several preliminary working runs to correctly fill up and pressurize cylinder chambers, set cylinder seals and carry the cylinder frame to best temperature for the test. Due to possible variables to be taken into consideration like oil cooling during test time, it is necessary to carry out some preliminary test of the involved cylinder type, extended if possible to more units, to define the correct test data.

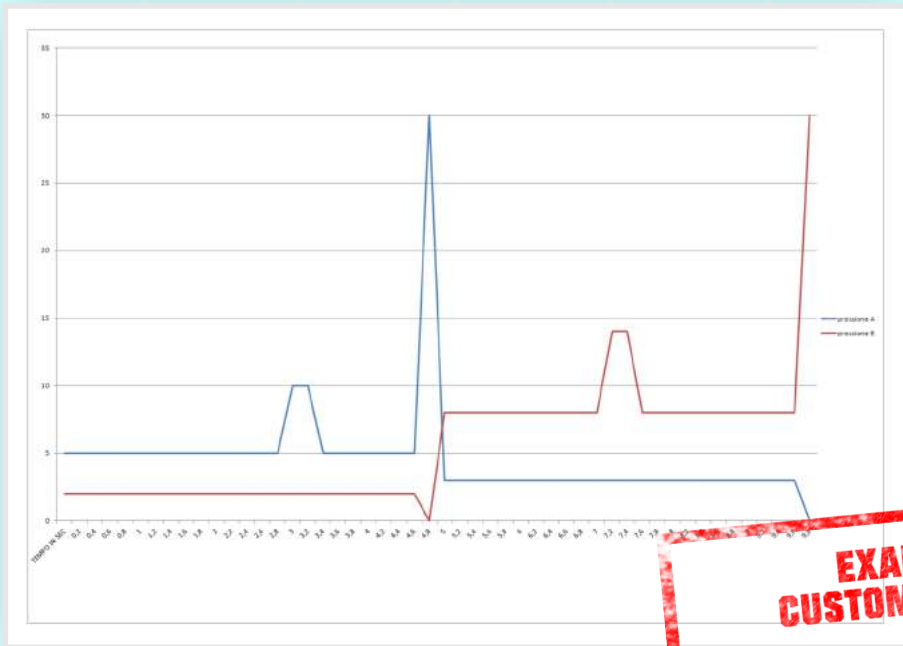
OPERATORE		REPORT		COLLAUDO CAMERA B	
totaltest				PRESSIONE MAX.	276
CODICE CILINDRO				Tempo di collaudo	15
RICETTA DI COLLAUDO				Delta P.rilevato	6,1
Ocima test 2				ESITO	INCERTA
NUMERO LOTTO				PROVA ENTROPIETRA	
19032015				PRESSIONE MAX.	276
TEMPERATURA OLIO				Tempo di collaudo	15
45				Delta P.rilevato	4,3
CLASSE DI CONTAMINAZIONE				ESITO	POSITIVO
ISO	11	8	0	COLLAUDO CAMERA A	
PROVA CON ARIA CAMERA B				PRESSIONE MAX.	277
PRESSIONE MAX.	6,1			Tempo di collaudo	15
Tempo di collaudo	10			Delta P.rilevato	2,6
Delta P.rilevato	-0,3			ESITO	INCERTA
ESITO	POSITIVO			DATA DI COLLAUDO	
P.minima di scorrimento				ORA INIZIO	17.53.10
Camera A	2			ORA FINE	17.59.34
Camera B	8			ESITO	NEGATIVA



**Graph showing oil pressure monitoring during rod stroke at pre set flow rate and speed.**



**Graph showing sliding pressure Vs. time and position during cylinder full stroke, showing unexpected shifting problems and relevant position.**



**EXAMPLE  
CUSTOM REPORT**