



Testing/Repair

Western's Testing facilities utilize a proprietary Software system that incorporates an exhaustive database of DOT & TC standards, CGA guidelines and customer specific test requirements. In addition the Western system maintains a permanent record of cylinder specific information and allows you the



ability to provide individualized instructions to your particular requirements. With the touch of a button all plant locations can be updated with new information as it becomes available reducing the chance of errors or omissions in the testing process. The software is compatible with either the UT or Hydro test methods.

Depend on Western's services to help protect your cylinder investment.



- Requalification
- Hydrotest
- Ultrasonic Testing
- Valve & Safety Services
- Internal Cleaning
- Neckring Services
- Painting
- Special Handling Services
- Disposal of Cylinders



***We take
service
seriously.***

WESTERN
INTERNATIONAL GAS & CYLINDERS, INC.



CORPORATE OFFICE

7173 Hwy. 159 E. | Bellville, Texas 77418-0668
979.413.2100 Main Number | 979.413.2266 Fax
www.WESTERNINTL.com

Testing



Testing Software

Authentication

Test Module Alpha

Visual Inspector

Number of Cylinders in Load Que: Alpha 30 Bravo 99

7 8 9 DELETE
4 5 6 ENTER
1 2 3
0

Serial Number	Size	Test	Pressure	Expire
1100012345	3AA	2015	2400	Pass
1100012346	3AA	2015	2400	Pass
1100012347	3AA	2015	2400	Pass
1100012348	3AA	2015	2400	Pass
1100012349	3AA	2015	2400	Pass
1100012350	3AA	2015	2400	Pass
1100012351	3AA	2015	2400	Pass
1100012352	3AA	2015	2400	Pass
1100012353	3AA	2015	2400	Pass
1100012354	3AA	2015	2400	Pass
1100012355	3AA	2015	2400	Pass
1100012356	3AA	2015	2400	Pass
1100012357	3AA	2015	2400	Pass
1100012358	3AA	2015	2400	Pass
1100012359	3AA	2015	2400	Pass
1100012360	3AA	2015	2400	Pass
1100012361	3AA	2015	2400	Pass
1100012362	3AA	2015	2400	Pass
1100012363	3AA	2015	2400	Pass
1100012364	3AA	2015	2400	Pass
1100012365	3AA	2015	2400	Pass
1100012366	3AA	2015	2400	Pass
1100012367	3AA	2015	2400	Pass
1100012368	3AA	2015	2400	Pass
1100012369	3AA	2015	2400	Pass
1100012370	3AA	2015	2400	Pass

Authentication Screen: Tester and Cylinder are linked for the life of the test. Periodically during the day test questions appear and must be answered by the inspector before they can proceed to the next step (This meets the requirement for periodic testing as called for by the CFR).

Manufacture Date

Norris Cylinder Company

Month

1 7
2 8
3 9
4 10
5 11
6 12

11-30-1994

19 20

7 8 9 Clear
4 5 6
1 2 3 ENTER
0

Manufacturer Date Screen: Original Date of Manufacture is recorded.

Service Pressure

3AA

1800	2015	2265	2400
2000	2216	3000	3600
2050	2260	3280	4500
2100	2300	3300	5000
2150	2600	3330	6000
2215	2950	3500	

Manual Input Back

Service Pressure Screen: Common cylinder service pressures are easily recorded.

Cylinder Manufacturer

Nitrogen

ACX	CP	GOSS, COC	CONV	NOG	FPV	W	B	WESTERN	
EP	M-1001 A	CP	POL	NOG	SCAFFE	WK	WII		
"RIPC"	BGM M-1004	INC	CP	N	SLPG	T	LRFS	H	
H.C.I.	CGC	F	R	P	N	LEE SERAC	UC	WCD	HSC
COYNE	GM & DC GPC & GPO	IECO	LUMFER	P.L.	SAPCO	US	AMA		
AZUREX	LEE, CONN	KAR	M	M-1002 P	ELU				

More Manual Input Back

Cylinder Manufacturer Screen: Symbols and M numbers used by the cylinder manufacturer are stored in the software for easy identification by the inspector.

Service Type

9 1/4 x 55

Industrial LHP USP NF Breathing Quality

Air Breathing	Chlorine	Methane	Mixture Oxidizer
Air Compressed	Compressed Gas NOS	Mixture Blood Gas	Mixture Oxygen + CO2 < 7%
Ammonia	Ethane	Mixture CO2 < 30% + Inert	Mixture Oxygen + CO2 > 7%
Argon	Ethene	Mixture CO2 > 30% + Inert	Natural Gas
Butane (Gas Withdrawal)	Ethylene	Mixture Flammable	Neon
Butane (Liquid Withdrawal)	Helium	Mixture Inert	Nitrogen
Carbon Dioxide	Hydrogen	Mixture Lung Diffusion	Nitrous Oxide
Carbon Monoxide	Krypton	Mixture NOS	

More Back

Gas Service Type Screen: Current Gas Service is entered from a list of common gas types.

Cylinder Information

Serial Number: 00127
Owner: WEC
Customer Owned: No
Hydrostatic Disposition Passed

Service Type: Air Compressed

Cylinder Size: 300
DOT Specification: 3AA
Service Pressure: 2400
DOT Exemption: None
Manufacturer Date: 10/17/98
Used in a Dealer Rig
Original Service: Air Compressed

Reason for Failure: None
Event Expiration: 242.5
Reject Event Expiration: 251
Percent Permitted Expiration: 1.0000
Percent Permitted Expiration Allowed: 10
Target Test Pressure: 4001

10 B9 04 + ★ OK
54

Standard Limited Standard
Threaded: 346 590
Yoke: 950 850
Safety: 4000

Stamp DATE & RN Only
Customer Supplied Valve
Condens. Cylinder
Exit Valve Sequence Number: 40

Cylinder Information: The computer displays the exact stamping required based upon the information entered in the system and results of the UT or Hydro test.

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