



MIDAS

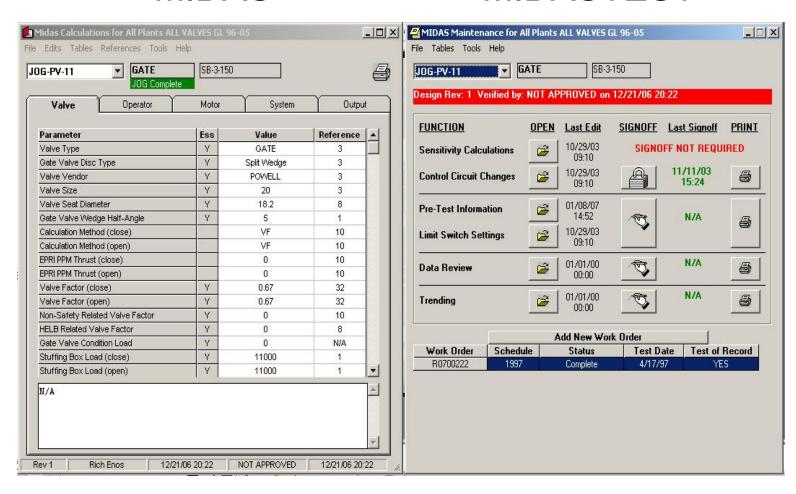
Update

Manager Computer Interaction
Michael C Richard

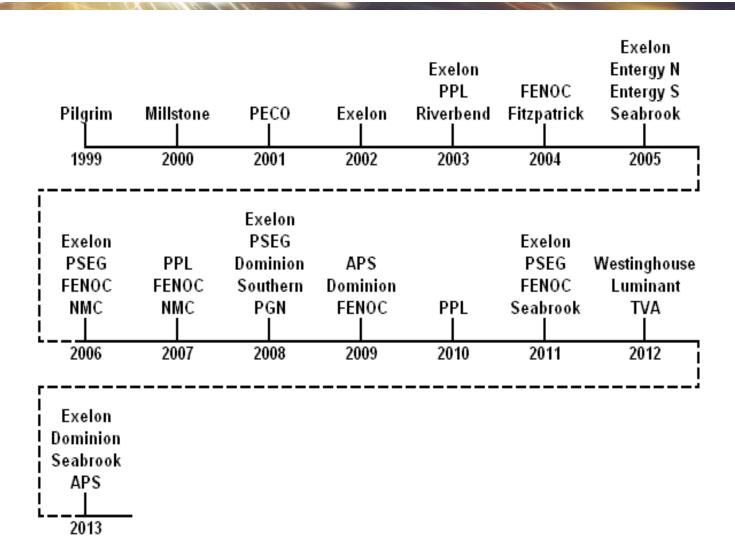
MOV Software

Design Calculation MIDAS

Test Analysis MIDASTEST



MOV Software Timeline



Revised Industry Standards

- New AC motor curves for small frame aluminum rotor motors for use with ComED WP-125 methodology. KCI report released.
- New AC motor curves for large frame aluminum rotor motors for use with ComED WP-125 methodology. KCI report pending release.
- Replacement motor curves for use with BWROG DCMM. MPR report released (?).

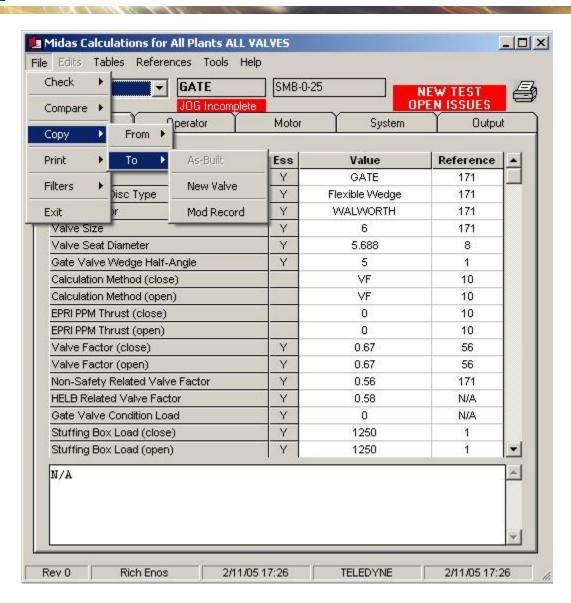
2013 MIDAS Highlights

- Added method Copy To or From Mod Record
- Added method Compare to Mod Record
- Added method Compare to Other Valve
- Added tool Calculation List
- Revised Export To Excel User Interface
- Revised Build SQL User Interface
- Revised Select Reference User Interface
- Updated several customers to latest software specifications
- Teledyne Citrix Server

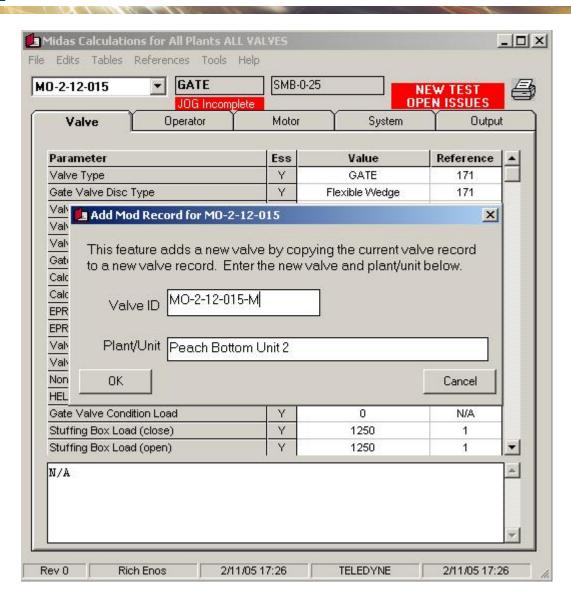
2013 MIDASTEST Highlights

- Enhanced Main User Interface to Notify for Unsat Post-Test Evaluations
- Enhanced Add Workorder function to allow user control of previous test
- Enhanced Pre-Test function to allow user control of previous test
- Relocate Grease History Functionality
- Added tool Trend View
- Added tool Software Verification
- Added SQL Server compliance
- Updated several customers to latest software specification

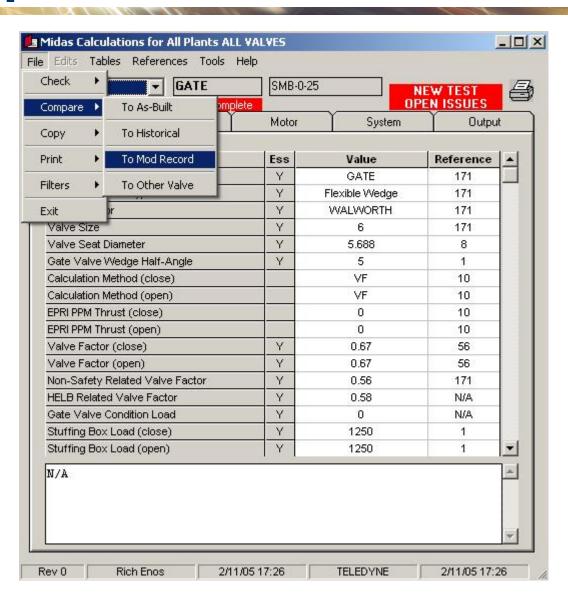
Copy To Mod Record



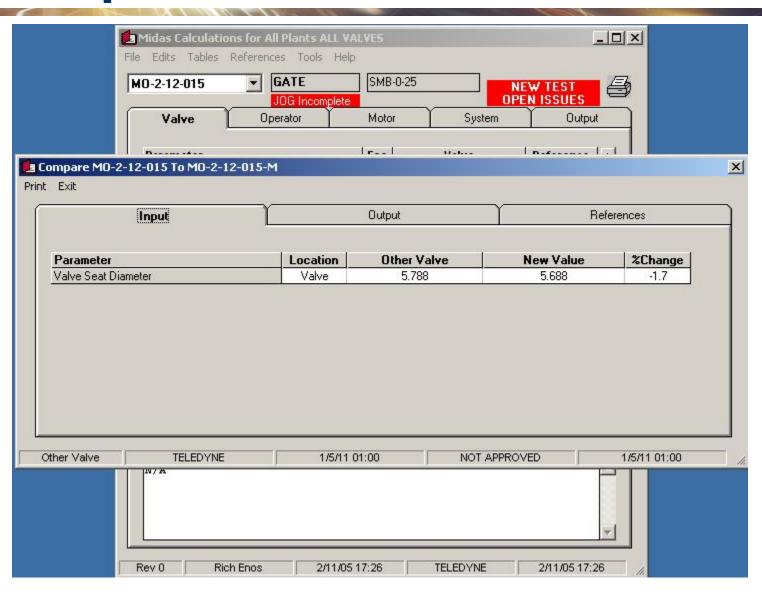
Copy To Mod Record



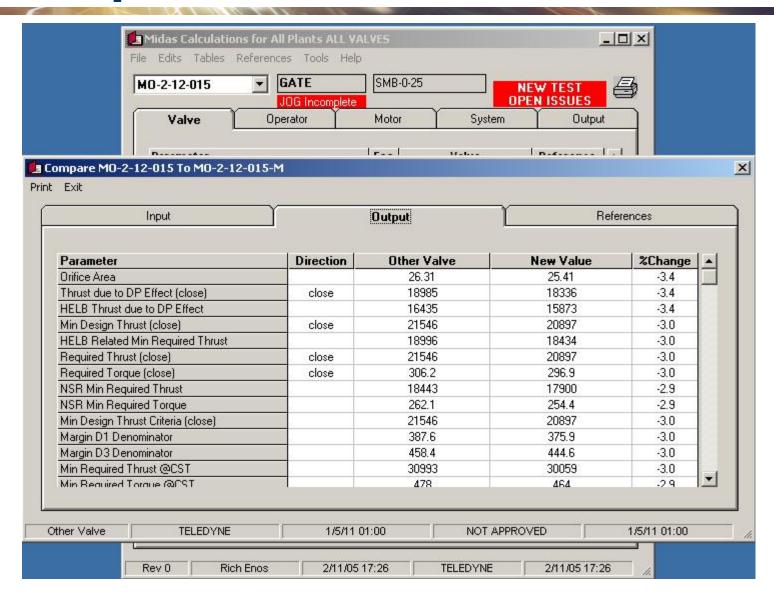
Compare To Mod Record



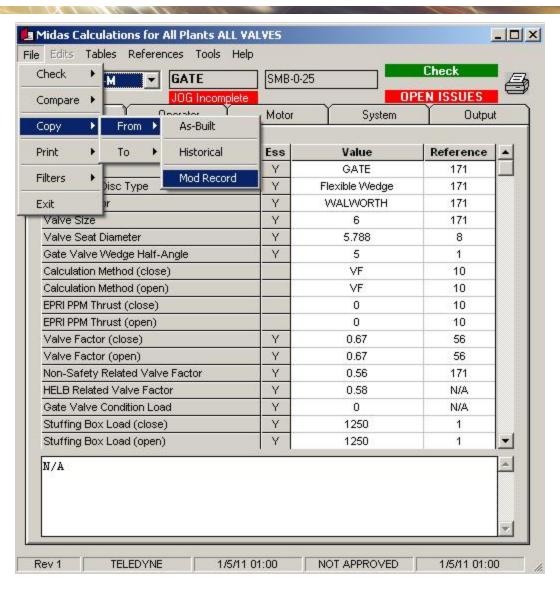
Compare To Mod Record



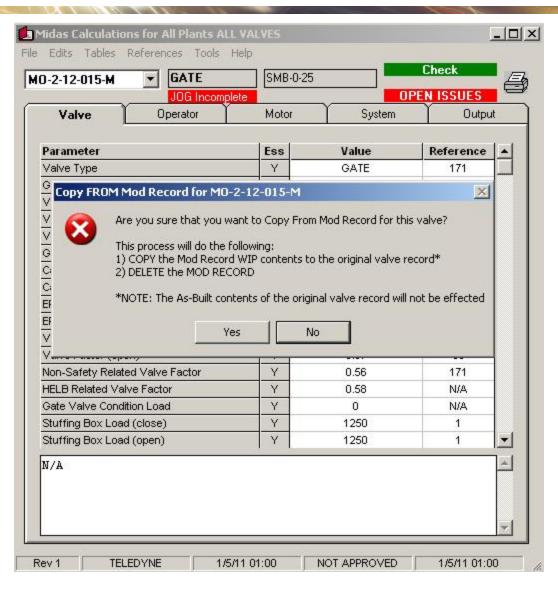
Compare To Mod Record



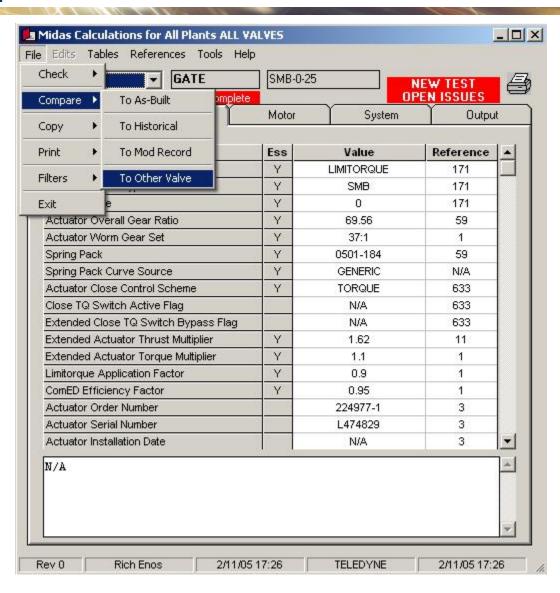
Copy From Mod Record



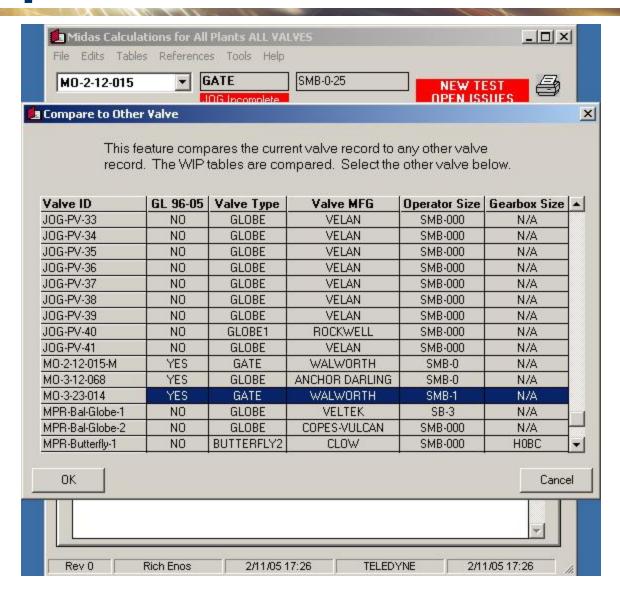
Copy From Mod Record



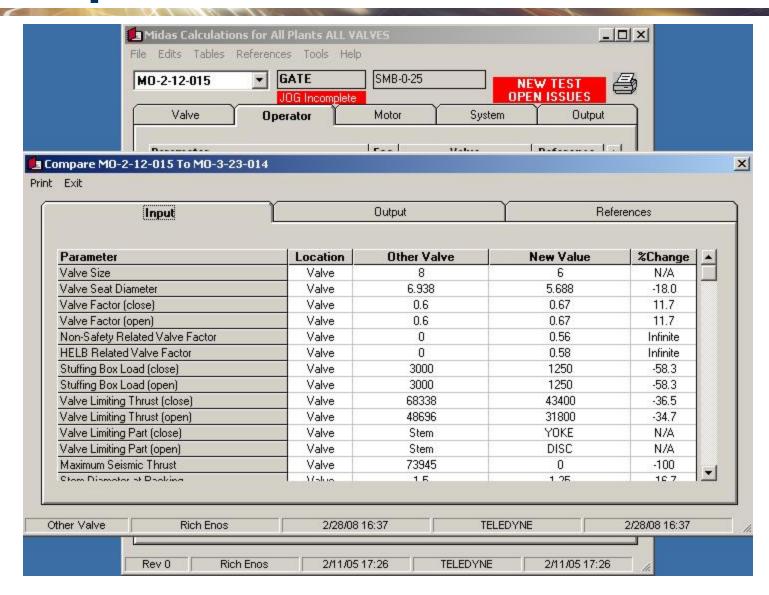
Compare To Other Valve



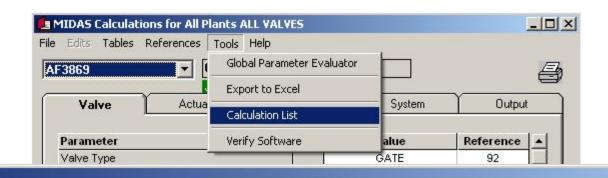
Compare To Other Valve



Compare To Other Valve



Calculation List Tool



X

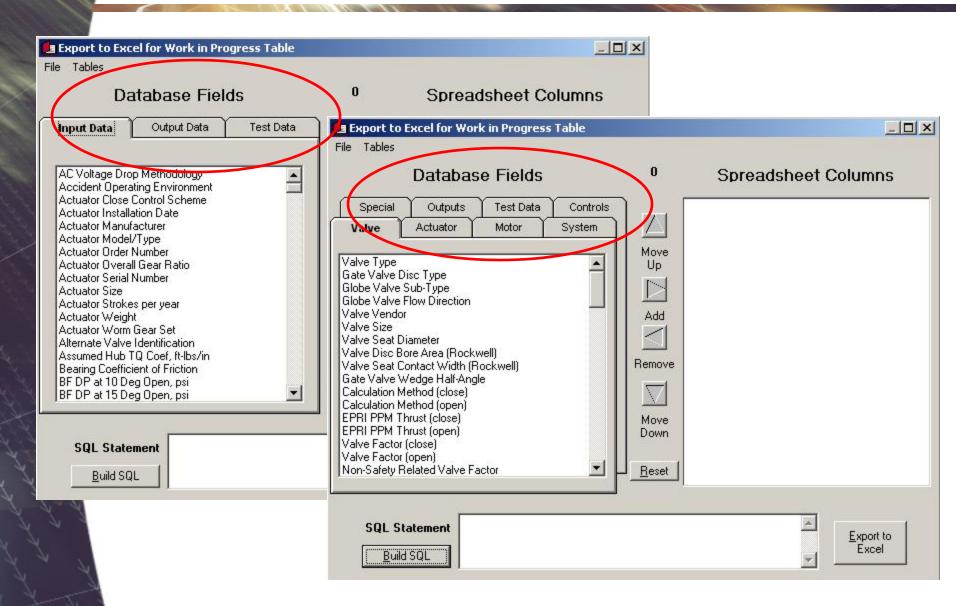
Calculation List
Sort Exit

Valve	Valve Type	96-05	Prepared By	Prepare Date	Reviewed By	Review Date
2CHS-LCV115B	GATE	True	David Thrall	01/12/06 08:48:15	Rich Enos	11/01/11 13:46:20
2CHS-MOV289	GATE	True	David Thrall	01/12/06 08:44:38	Rich Enos	11/01/11 13:46:48
2CHS-MOV289-M	GATE	True	David Thrall	01/12/06 08:44:38	Rich Enos	11/01/11 13:46:48
2RHS-M0V701B	GATE	True	David Thrall	07/13/09 18:59:45	Rich Enos	11/01/11 13:47:01
2SIS-MOV8809A	GATE	True	TELEDYNE	10/20/11 09:31:41	Rich Enos	11/01/11 13:47:20
2SIS-MOV8809-X	GATE	True	Rich Enos	11/03/11 13:18:29	NOT APPROVED	11/03/11 13:18:29
2SWS-MOV113C	GATE	False	David Thrall	01/06/06 08:09:03	NOT APPROVED	01/06/06 08:09:03
AF3869	GATE	True	Rich Enos	11/01/11 13:59:47	NOT APPROVED	11/01/11 13:59:47
AF3870	GATE	True	Rich Enos	11/01/11 14:36:53	NOT APPROVED	11/01/11 14:36:53
4F3870-M	GATE	True	TELEDYNE1	11/19/11 13:15:47	TELEDYNE	11/19/11 13:26:58
AF3870-X	GATE	True	TELEDYNE	11/19/11 15:44:45	NOT APPROVED	11/19/11 15:44:45
BWR0G-01	GATE	True	David Thrall	04/27/05 14:30:29	NOT APPROVED	04/27/05 14:30:29

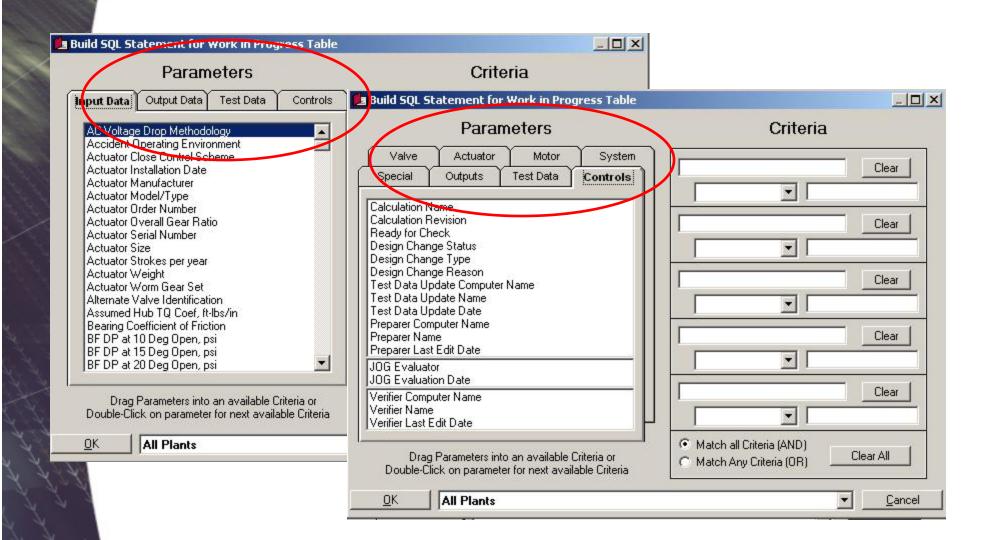
N-1: Stroke length not measured. This value is based off of orifice diameter input.

Rev 5A Rich Enos 11/1/11 13:59 NOT APPROVED 11/1/11 13:59

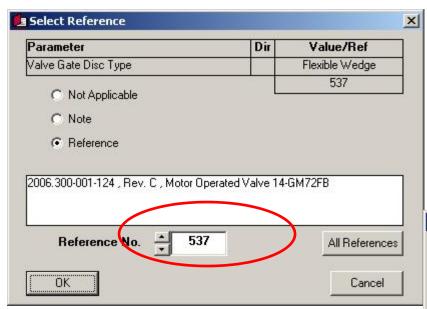
Export To Excel Interface

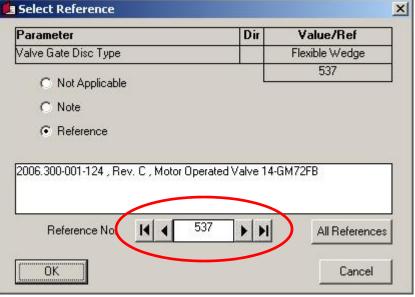


Build SQL Interface

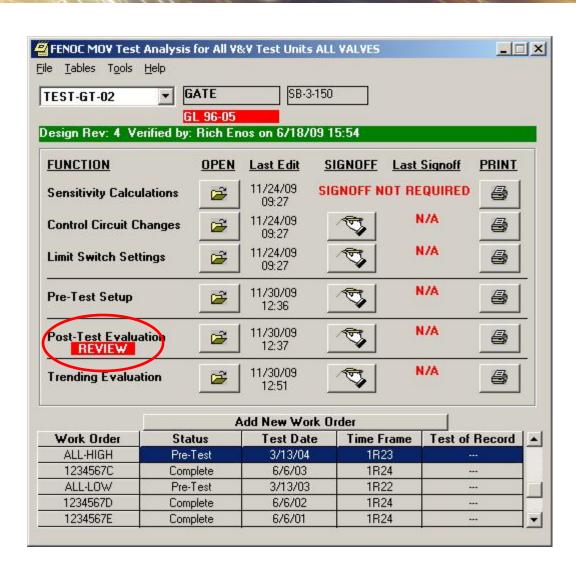


Select Reference Interface





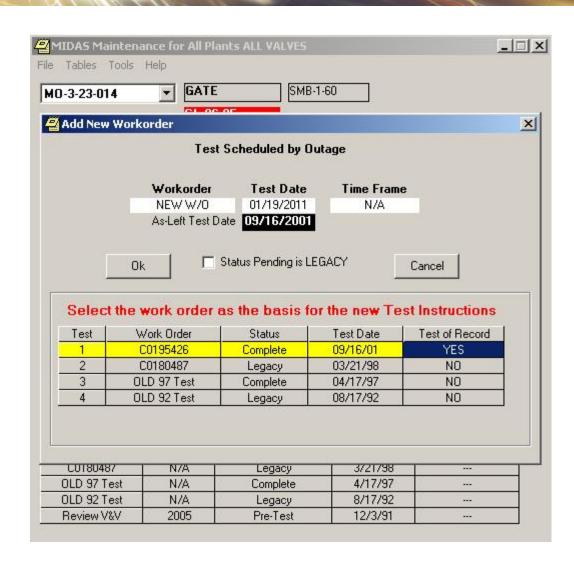
MIDASTEST Main User Interface



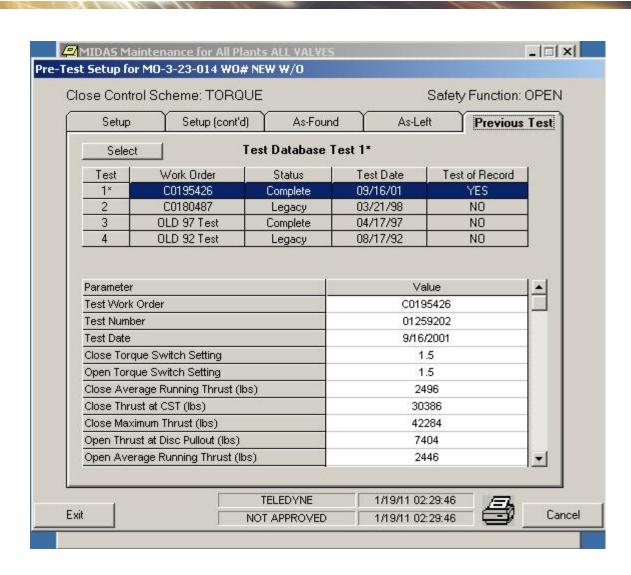
Review Post-Test Evaluations

Work Done		Sensor Review As-Left Data		Data Review Evaluations	
As-Found Data	Ĭ.				
Parameter C14 UNDER THRUST C16 OVER THRUST O9 OVER THRUST O9 OVER THRUST (EPRI/P C14 OVER THRUST RUN THRUST HIGH/LOW STEM FACTOR HIGH STEM WEAR TIME HIGH	As-Found Close Open X X H H X X X X X X X X X	As-Left Close Open X X X H H X X X X	Parameter C14 OVER TORQUE C16 OVER TORQUE O9 OVER TORQUE C14 UNDER TORQUE (Q1 RUN TORQUE HIGH/LOV SPRING PACK GAP HIGH		As-Left Close Open X X
Evaluation Notes N/A					

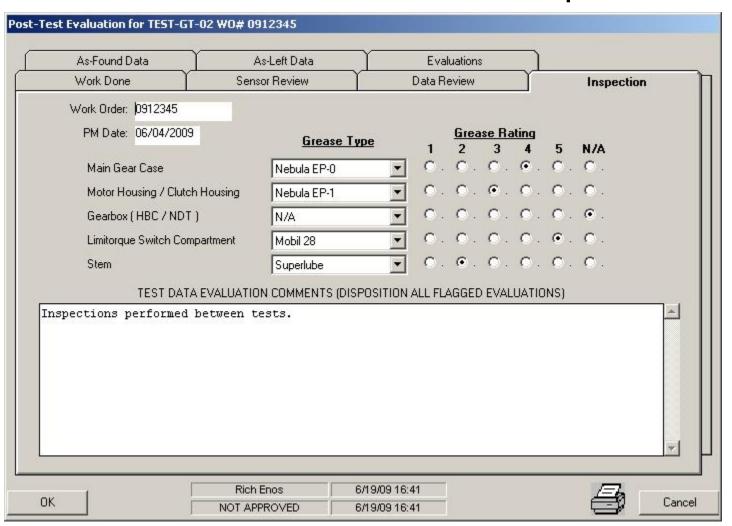
Enhanced Add New Workorder



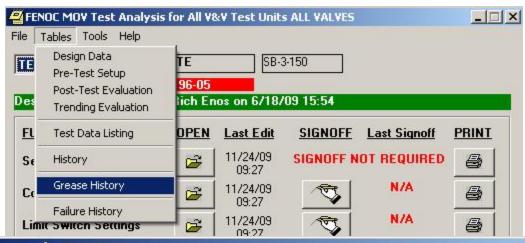
Enhanced Pre-Test Function



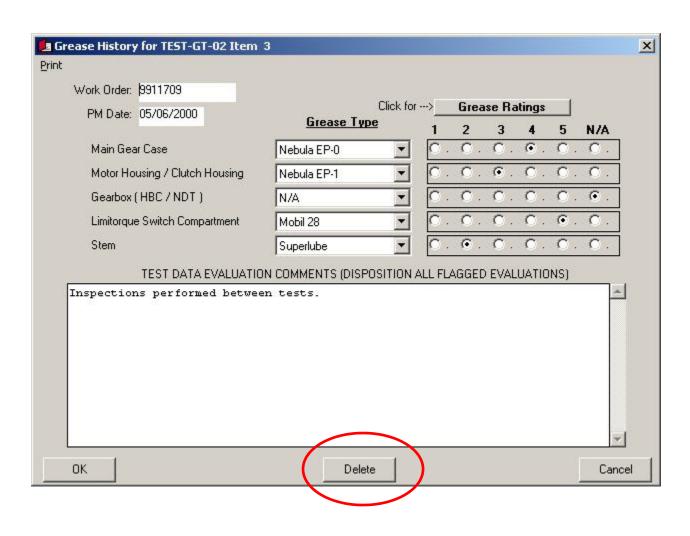
OLD: Post-Test Evaluation / Inspection



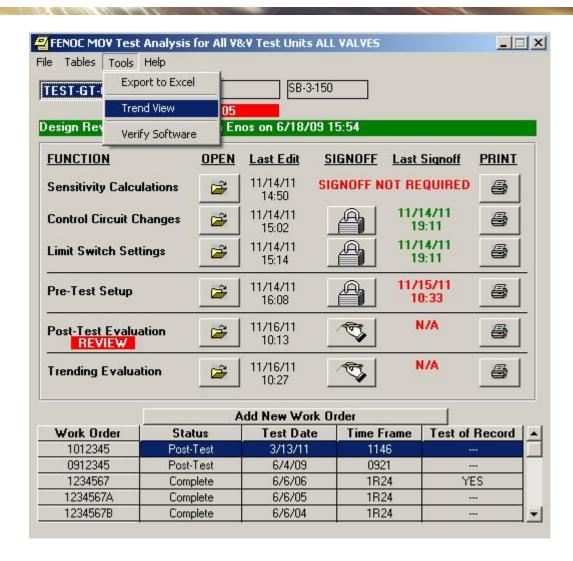
NEW: Tables

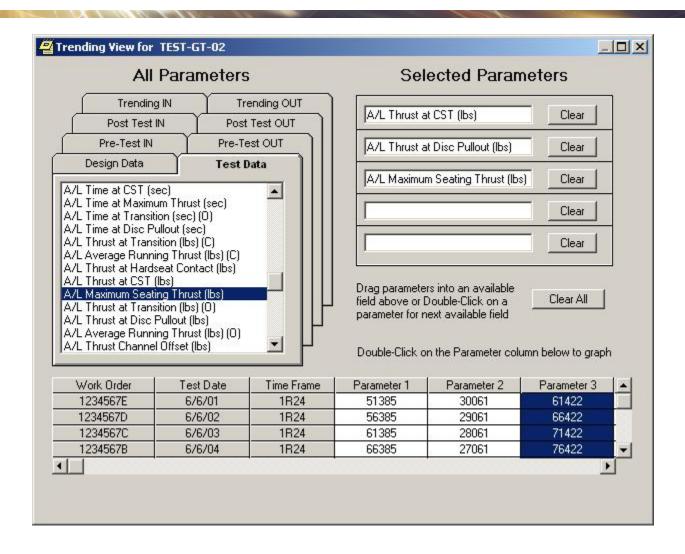


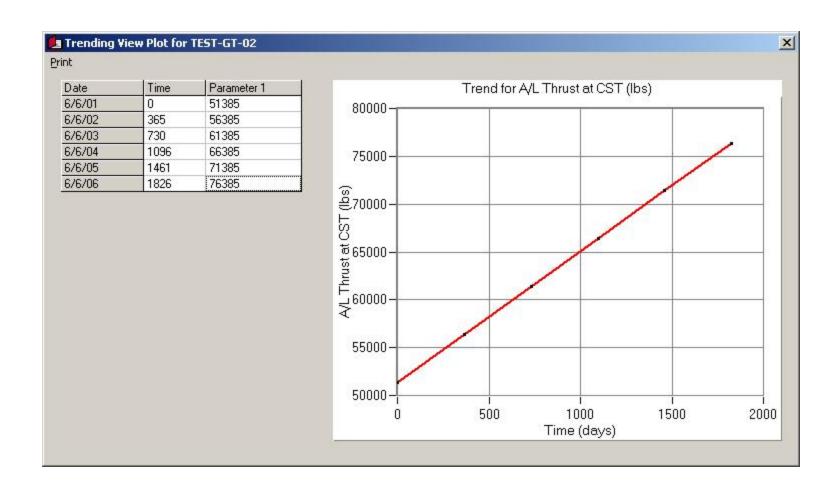
Item	Date	Workorder	Short Description	
1	6/4/2009	0912345	Inspections performed bet	
2	6/6/2006	1234567	Inspections performed bet	
3	5/6/2000	9911709	Inspections performed bet	
4	1/1/2000	N/A	N/A	
5	7/1/2008	N/A	N/A	
×	(Add)			



		Sheet 1 of 1
Test Cases for Test TEST-GT-02	Analysis Software UNIT 2	
As-Found G	rease Condition Table	
9911709		
05/06/2000		
	Grease Type	Grease Rating 1 2 3 4 5 N/A
ase	Nebula EP-0	1 2 3 4 5 N/A
ng / Clutch Housing	Nebula EP-1	
BC/NDT)	N/A	
witch Compartment	Mobil 28	
	Superlube	X
T DATA EVALUATION CO	OMMENTS (NISPOSITION ALL F	LAGGEN EVALUATIONS)
s performed between to	ests.	
	As-Found 6 9911709 05/06/2000 ase ng / Clutch Housing BC / NDT) witch Compartment	As-Found Grease Condition Table 9911709 05/06/2000 Grease Type ase Nebula EP-0 ng / Clutch Housing Nebula EP-1 BC / NDT) N/A witch Compartment Mobil 28

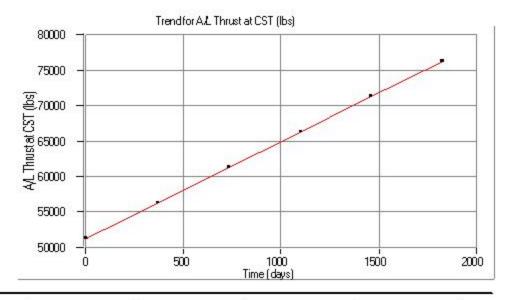




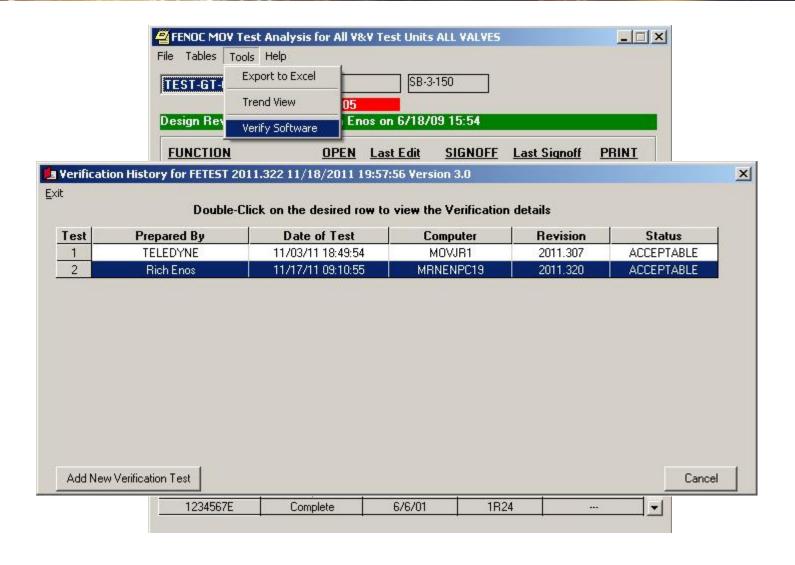


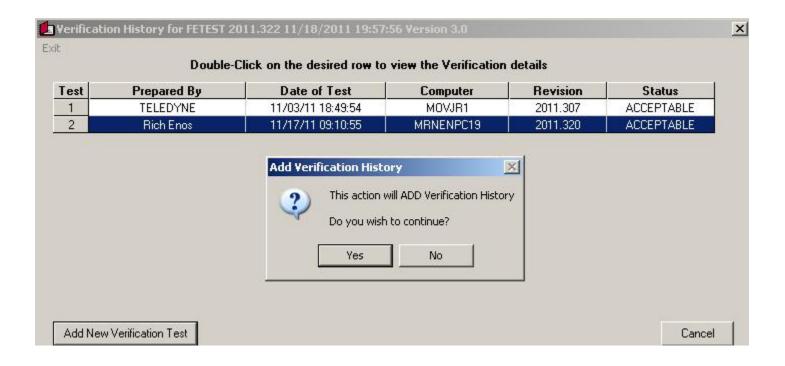


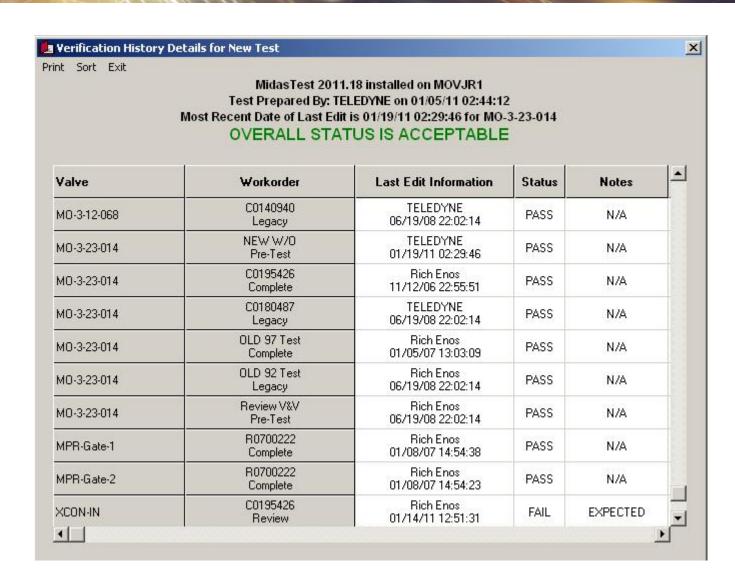
TRENDING VIEW REPORT AC MOTOR OPERATED GATE VALVE TEST-GT-02



Workorder	Test Date	Time (d <i>a</i> ys)	Parameter	
1234567E	6/6/01	0	51385	
1234667D	6/6/02	365	56385	
1234567C	6/6/03	730	61385	
1234667B	6/6/04	1096	66385	
1234667A	6/6/05	1461	71385	
1234567	6/6/06	1826	76385	





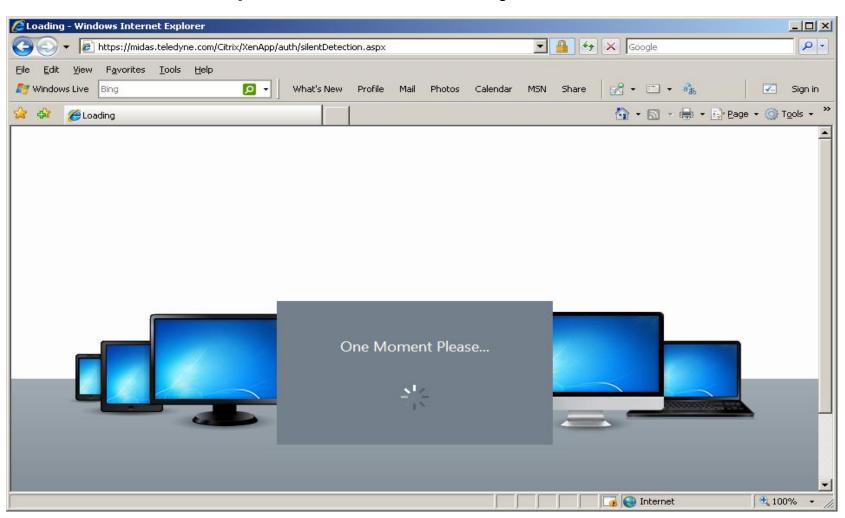


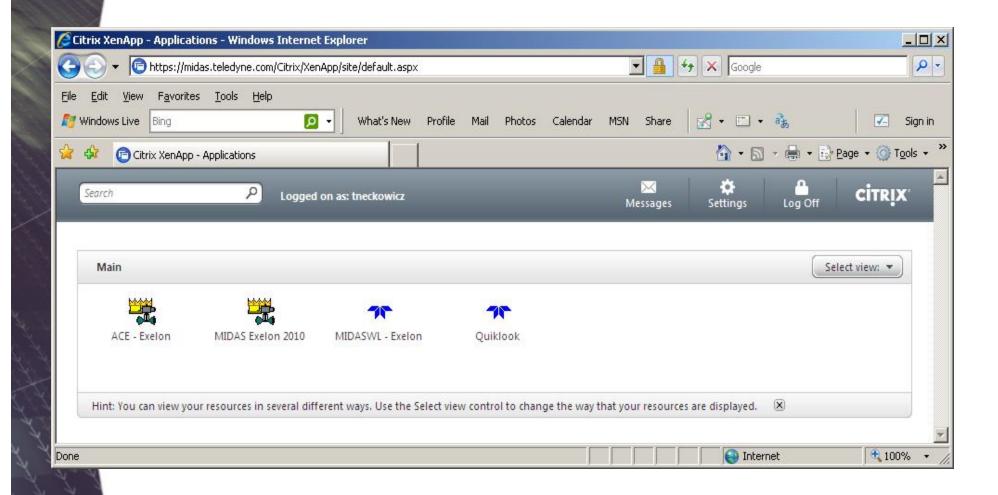
MIDASTEST VERIFICATION HISTORY MidasTest 2011,18 his talled on MOVJR1

Test Prepared By: TELEDY NE or 01/05/11 02:44:12 Most Recent Date of Last Edit is 01/19/11 02:29:46 for MO-3-23-014 OVERALL STATUS IS ACCEPTABLE

Valve	Worder	Last Edit in formation	Status	Note s
BW ROG-01	TestCase	TELEDYNE	PASS	N/A
	Pre-Test	12/21/10 14:06:40		
EPR-6F-07	R0541639	Rick Exos	PASS	N/A
	Pie-Test	06/19/08 22:02:10		
in ctonGB	C0002345	Rick Exos	PASS	N/A
0.0000000000000000000000000000000000000	Pie-Test	06/19/08 22:02:10	0.0072755	
FunctionGB1	Pevew V&V	Rich Exos	PASS	N/A
11000101	Pre-Test	06/19/08 22:02:11	1700	Harry.
FunctionGB 1	C0234567	Rich Enos	PASS	N/A
TI CODIGIO	Pre-Test	06/19/08 22:02:11	FR55	NAME OF TAXABLE PARTY.
FuctionG82	C0456789	RICI EIOS	PASS	N/A
TI CONG D 2	Pre-Test	06/19/08 22:02:11	FA33	14/75
FunctionGT	C0123456	Rich Elios	PASS	N/A
TI COME I	Complete	10/29/06 13:21:16	PASS	N/A
	C0099876	Rich Elios	0.000	M 45
FunctionGT	Le gacy	06/19/08 22:02:11	PASS	N/A
	C0987654	Rick Exos		
FunctionGT-DD	Pre-Test	06/19/08 22:02:11	PASS	N/A
				20000
FV-DO-101A	NEW W/O	Rich Enos	PASS	N/A
	Pie-Test	06/19/08 22:02:11		
FV-DO-101A	R0532801	TELEDYNE	PASS	N/A
	Le gacy	06/19/08 22:02:12		
FV-DO-101A	C0145761	TELEDYNE	PASS	N/A
	Le garcy	06/19/08 22:02:12		
FV-DO-1018	Test Case 2	TELEDYNE	PASS	N/A
	P ne −Test	0 1/10/11 09:24:54		
V-DO-1018	TestCase	TELEDYNE	PASS	N/A
	Pie-Test	01/06/11 14:27:09		
FV-DO-1018	Te stCase t	TELEDYNE	PASS	N/A
	Pre-Test	01/06/11 14:45:38		
FV-DO-1018	C0176799	TELEDYNE	PASS	N/A
0 00 10 10	Complete	12/21/06 11:15:41	.,,,,,	
HV-011-011A	C0876543	Rick Exos	PASS	N/A
ive ii e ii a	Pre-Test	06/19/08 22:02:12	17000	1000
HV-012-031A	C0181853	TELEDYNE	PASS	N/A
10-012-031A	Le gacy	06/19/08 22:02:12	FASS	NAME:
HV 0 to 030 B	R05 41639	Rich Enos	PASS	N/A
HV-012-032B	Pie-Test	06/19/08 22:02:12	PASS	N/A
41/ 0 to 030 F	Pevew V&V	Rick Exos	DAGG	M //h
HV-012-032B	Pie-Test	06/19/08 22:02:12	PASS	N/A
	R07 69 302	TELEDYNE		
HV-0 49-1 F008		06/19/08 22:02:13	PASS	N/A
	Le gaoy R0663834	TELEDYNE		
1V-0 49-1 F008			PASS	N/A
	Le gacy	06/19/08 22:02:13		
1V-049-1F010	R0606425	TELEDYNE	PASS	N/A
	Te idlig	12/11/05 11:19:52		
HV-055-2 F 105	R0801097	Jim Milman	PASS	N/A
	Pe v e w	06/06/08 14:27:07		
HV-055-2 F 105	R07 20054	TELEDYNE	PASS	N/A
	Le gaoy	06/19/08 22:02:13	5555	300
IOG-PV-01	R07 00 222	Rick Exos	PASS	N/A
100-11-01	Comp to te	01/08/07 14:50:38		1000

https://midas.teledyne.com

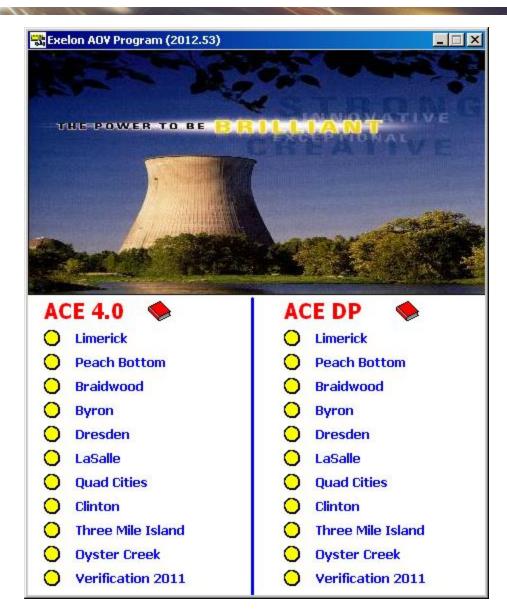




MOV

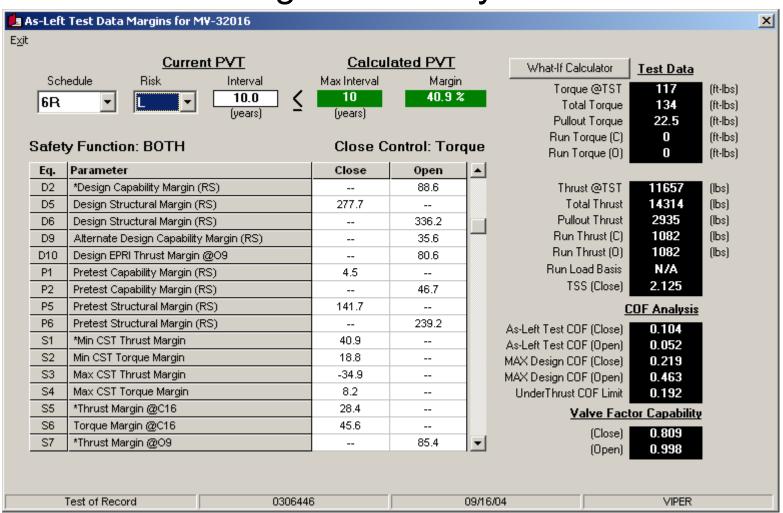


AOV

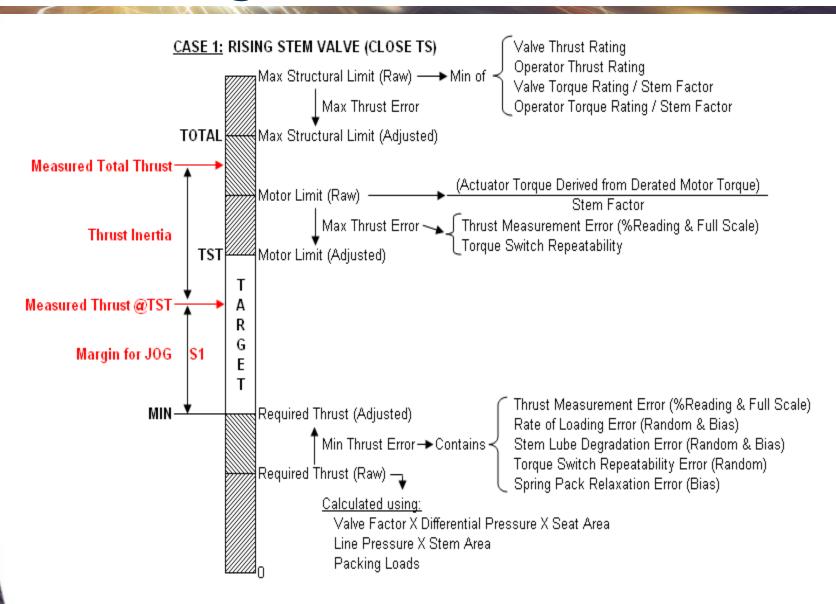


2014 MIDAS Enhancement

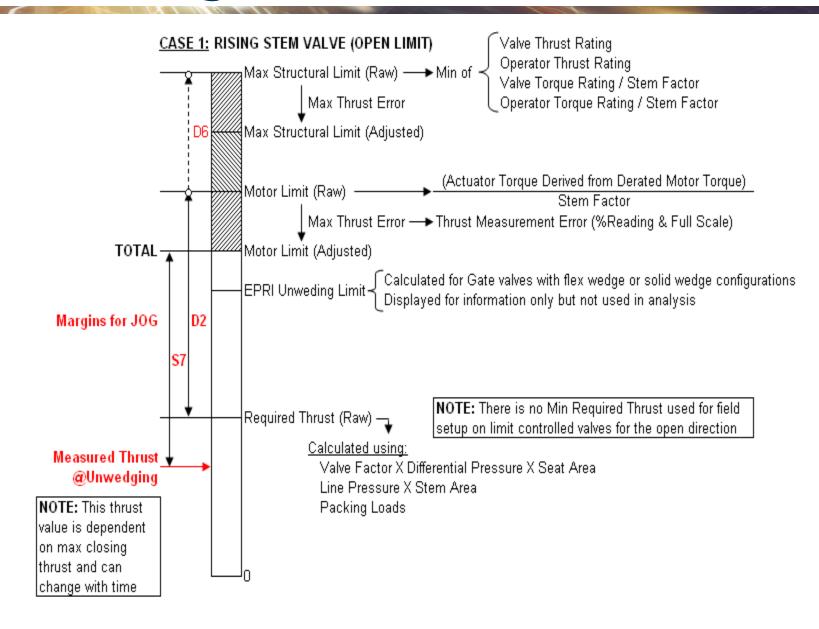
Margin Summary Form



2014 Margin Form Enhancement



2014 Margin Form Enhancement



MOV Software

Questions?

