# Survey of Wire Maintenance & Testing

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PURPOSE: To better understand existing wire use and evaluation practices within the research fleet while providing a basis for the discussion of objective standards.

• 15 Responding Institutions

Representing 30 ships & 49 winches

• 73% use .322 wire



#### LUBRICATION MATERIAL\*

Not Specified	1	Prelube 19	2
Plant-based Oil	1	Lanolin	1
Dynacon	11	Fluid Film	1
Grignard EMII 1			

\* Number of institutions reporting



### TENSION MONITORING OF WIRE DURING USE

Type of monitoring:

Continuously – 11

When is data reviewed:

Routinely – 2

(Number of Institutions responding)

Max Value Only – 1

After suspicious event – 9





#### Institution's Criteria For Replacing A Spool

#### Most Common Reason For Replacing A Spool





Mode of Failure



## Conclusions

 Once wire has been placed in service there is very little concurrence between institutions in the area of wire test methods, rejection criteria or maintenance.

• Uniform standards would maximize wire life, minimize equipment loss and provide science users with wire guidelines that are consistent throughout the fleet.

#### WINCH / CONFIGURATION DESIGNATION

VESSEL NAME

DATE

