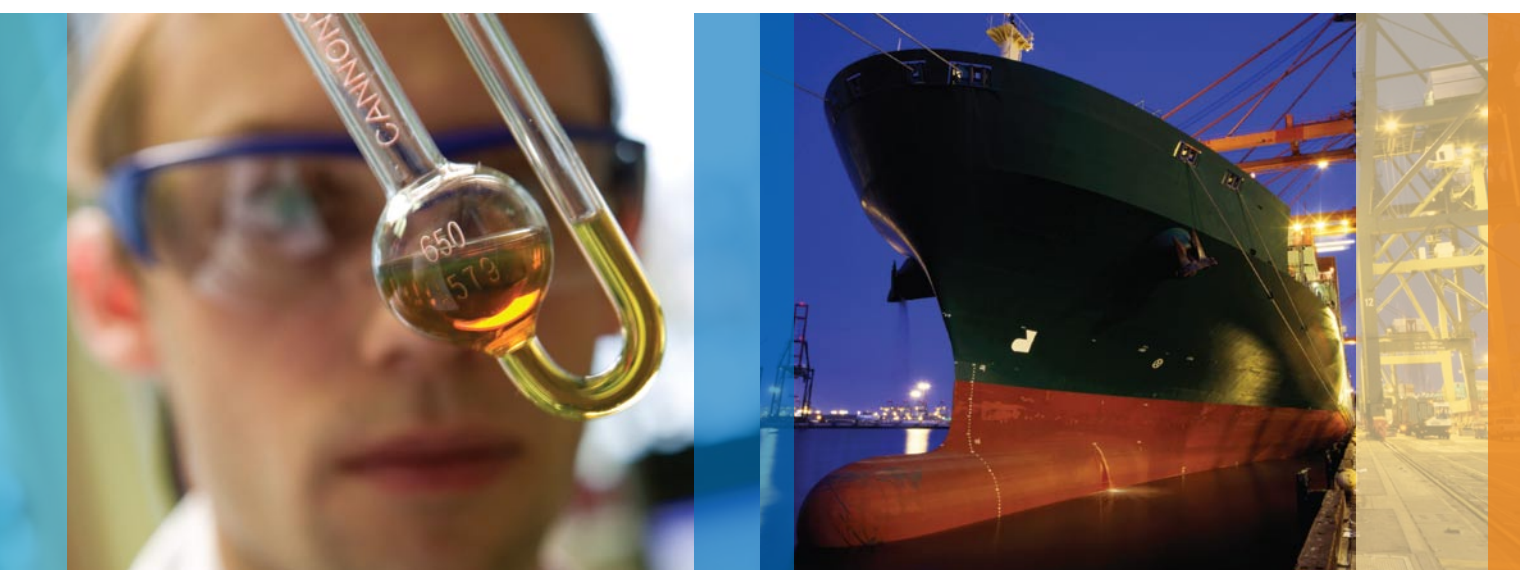




FAST™ Service



Comprehensive equipment condition monitoring program

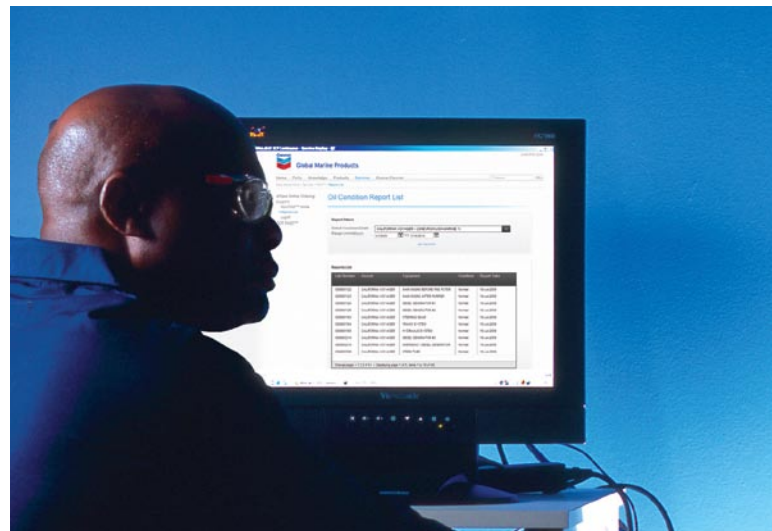


The FAST™ Program

In recent years the global marine industry has seen tremendous changes triggered by:

- **demand for more engine power**
- **increased environmental awareness and legislation**
- **global upward pressures on fuel and lubricant prices**
- **changes in residual fuel oil quality**

The end result is downward pressure on your operating profits! While lubricant costs may only be a small percent of your total vessel maintenance budget, lubrication is the lifeblood of your equipment. Chevron Marine Lubricants can help you capture profit opportunities associated with your Fluid Analysis Service & Trending maintenance program.



The value of reliability-based lubrication

Chevron's blend of industry expertise, leading-edge products and customizable lubrication solutions has created a new business model that helps lower operational costs while maximizing equipment uptime. It's focused on what you need most: reliability.

Predictive measures and analysis play an important role. Our FAST program can identify contamination or wear before it results in costly downtime.

Complete fluid analysis for improved marine reliability

The FAST program provides comprehensive analyses for all areas of your vessel. Our stern tube advanced testing complies with the requirements of the major shipping classification societies.

A FAST report with satisfactory results on the analysis of the stern tube lubricant is a valuable tool when considering the extension of the period between dry-dockings for classification surveys.



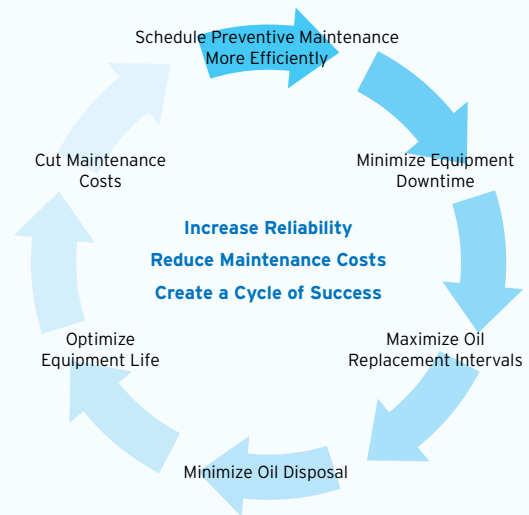
FAST™ Features and Benefits

- Accurate results on diverse test packages and flexibility for specialized testing procedures
- Reliable interpretations of test results and actionable recommendations based on the data
- Results delivered to you immediately upon completion via e-mail or fax (within 24 to 48 hours of receipt)
- Reports which have been optimized for readability
- Expert advice on reports via helpdesk: GMPFAST@chevron.com
- Cost-effective standard & specialty tests
- Online access to complete historical records (downloadable through Excel® 5.0 or higher)

Chevron's laboratory is one of the best equipped laboratories in the marine industry; in fact, we are the only global lubricants supplier to have all marine fluid analysis, marine technical support, and marine R&D in one location. Our collective marine team is on call to accurately diagnose the condition of your equipment – FAST!

What you can expect from implementing this program

FAST enables you to track the performance of equipment that your business depends on to get your cargo to points around the world on time and without incident. By analyzing fluid samples on a regular basis, you can optimize equipment life and oil replacement intervals, identify lubricant-related needs and understand the changing environment within a piece of equipment. This knowledge helps in the precise scheduling of maintenance work that can reduce downtime and minimize the risk of equipment failure.



Standard test packages

FAST simplifies the process of testing with a list of standard tests for frequent, typical applications.

Engine Oils:

- Appearance
- Water
- Viscosity @ 40°C
- Base Number
- Insolubles
- Flash point
- Additive elements
- Wear elements
- (Nature of water*)

Non-Engine Oils:

- Appearance
- Water
- Viscosity @ 40°C
- Total Acid Number
- Additive elements
- Wear elements
- (Nature of water)

* on stern tube and thruster systems

Parameter	Unit	Result	Limit
WATER CONT. (wt)	negligible	negligible	negligible
KIN. VISCOSITY @ 40°C	95.8	92.7	94.5
META FLASH, °C	>190	>190	>190
PENTANE SOL., wt%	0.13	0.13	0.13
BASE NUMBER (D2896)	10.3	10.6	10.9
ACIDITY (D2896)	NORMAL	NORMAL	NORMAL

Element	PPM	Unit	Limit
ALLIUMINUM	0	1	1
SILICON	0	5	4
CHROMIUM	0	0	1
COPPER	3	3	3
IRON	7	7	7
NICKEL	0	0	0
LEAD	0	0	0
TIN	2	2	1
SULFUR	2	2	4

Chevron's laboratory provides complete analysis of your samples with review and comments by technical experts.



The FAST™ process

Submitting oil or other lubricants for FAST analysis is as easy as 1-2-3. Simply send the sample with complete label and analysis request information to the lab in the FAST mailing envelope.

Most sample tests will be completed within 24-48 hours of receipt, and you can receive results via fax or email. Each sample report contains all major oil parameters with an easy-to-see warning icon (Normal, Attention or Urgent).

For us, reliability isn't a promise – it's a legacy

Building reliability into your day-to-day business takes commitment. We should know. At Chevron, we've created a corporate culture that revolves around safety and reliability. When you combine that with our legacy of industry-leading innovation in product formulation, it's no wonder we are able to truly deliver on Reliability-based Lubrication. It's an extension of who we are, and it sets us apart from lubricant vendors that just talk about reliability. At Chevron, we live it.

If you could use more reliability from your equipment or your lubrication partner, contact your local Chevron Marine Lubricants sales manager for details on how to apply for the FAST Service, or visit www.chevronmarineproducts.com

For more information, please contact any Chevron Marine Lubricants sales office:

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