



Managing assets to increase compliance, safety and uptime

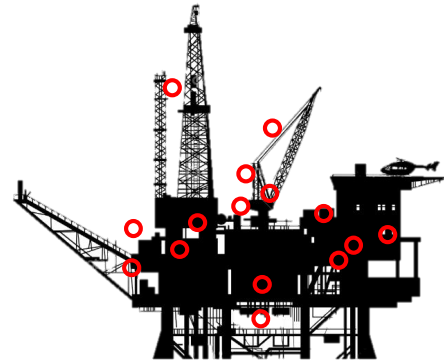
Bill Sayavich, Technology Manager
Parker Hannifin Corporation

ENGINEERING YOUR SUCCESS.

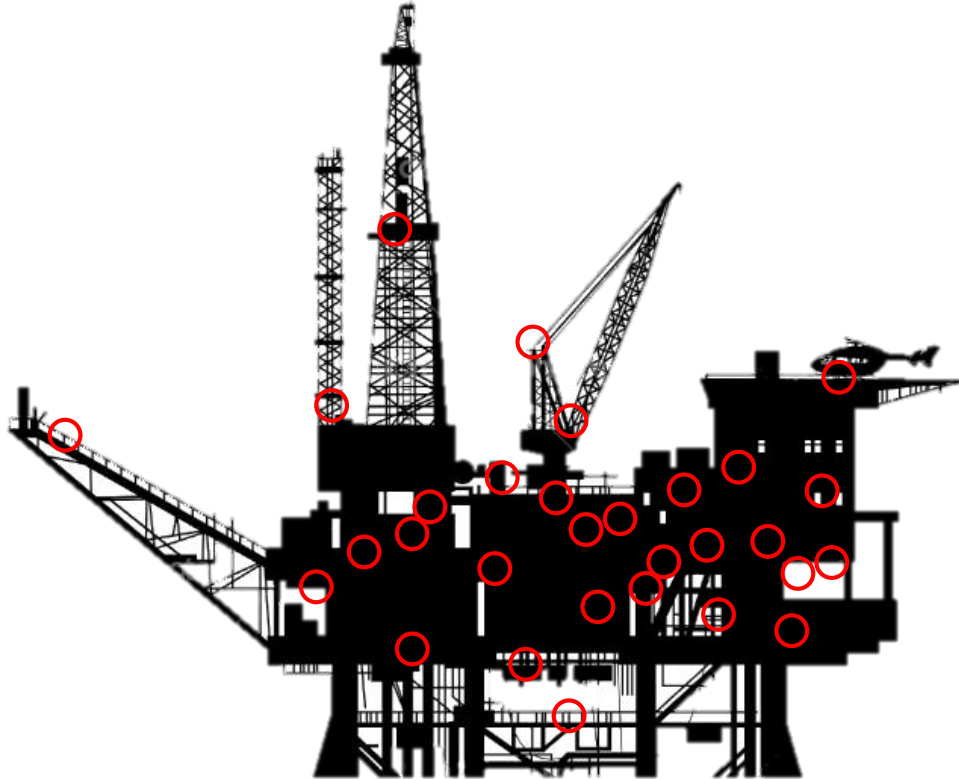


What is an asset?

“Property owned by a person or company, regarded as having value and available to meet debts, commitments, or legacies”.



Better Fidelity = Better Results.



*Where do
you begin?*



What information do you know?
*What do you **NEED** to know?*



Energy Institute FHA Guidelines

According to Energy Institutes published standards for the *Management of Flexible Hose Assemblies (FHA)*, “A **FHA register should be compiled for all FHAs, which provides for essential details and history. The register should record the following minimum information”**

- ✓ Unique identification number (tag no)
- ✓ Customer reference
- ✓ Year of manufacture
- ✓ Length
- ✓ Internal diameter
- ✓ Specifications
- ✓ End connections
- ✓ Location
- ✓ Service
- ✓ Class
- ✓ Type of hose
- ✓ Date of last inspection
- ✓ Date of next inspection
- ✓ Status at last inspection
- ✓ Latest replacement date
- ✓ Relevant historical information

Parker Tracking System Meets Requirements



Reliability Centered Maintenance:

**Asset
Management**

Documentation

**Asset
Management**

**Preventative
Maintenance**

**Link Between Asset
And Records**

Run Hours

**Comprehensive
Repair History**

**Standardized Repair &
Maintenance Procedures**

Customizable asset tags.



TRACKING SYSTEM
Parker.com/PTS | 1-800-C-Parker

PTS ID: SRKHC2KT



Equip. No. 12345678

Schematic No. 12345678

Sys. Pressure: 3000 PSI

Hose Wk. Pressure. 6000PSI

Mfg. Date: 09/20/2012

**Asset
Management**

Documentation

Asset
Management

Preventative
Maintenance

**Link Between Asset
And Records**

Run Hours

Comprehensive
Repair History

Standardized Repair &
Maintenance Procedures



Inspection scheduling and alerts

PTS ID

Insp. Template

Coupling Corrosion Yes No N/A

Coupling Leakage Yes No N/A

Cover Abrasion Yes No N/A

Cover Kinks Yes No N/A

Routing Obstructions Yes No N/A

Physical Damage Yes No N/A

Coupling Looseness Yes No N/A

Inspection Status Pass Fail

Notes

Asset Management

Documentation

Asset Management

Preventative Maintenance

Link Between Asset And Records

Run Hours

Comprehensive Repair History

Standardized Repair & Maintenance Procedures





CERTIFICATE NUMBER DATE
 01-HS146777-4-PDA 07 June 2011

ABS TECHNICAL OFFICE
 Houston OED - Equipment

CERTIFICATE OF DESIGN ASSESSMENT

This is to Certify that a representative of this Bureau did, at the request of
Parker Hannifin Corporation - Wickliffe

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

PRODUCT **Non-metallic Flexible Hydraulic Hose**

MODEL **221FR, 451TC, 471TC, 772TC, 782TC, 792TC**

This Product Design Assessment (PDA) Certificate 01-HS146777-4-PDA, dated 07/Jun/2011 remains valid until 06/Jun/2016 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODU or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING

Tim Kleiss
 Tim Kleiss
 Engineer

NOTES: This certificate evidences compliance with one or more of the Rules, Codes, standards or other sections of ABS as a minimum, national or manufacturer's standards. It is valid only for the use of ABS, its subsidiaries, its clients or other authorized parties. Any recipient/assignee who demonstrates non-compliance with applicable Rules/ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-4.3.5.3's Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

Asset Management

Documentation

Asset Management

Preventative Maintenance

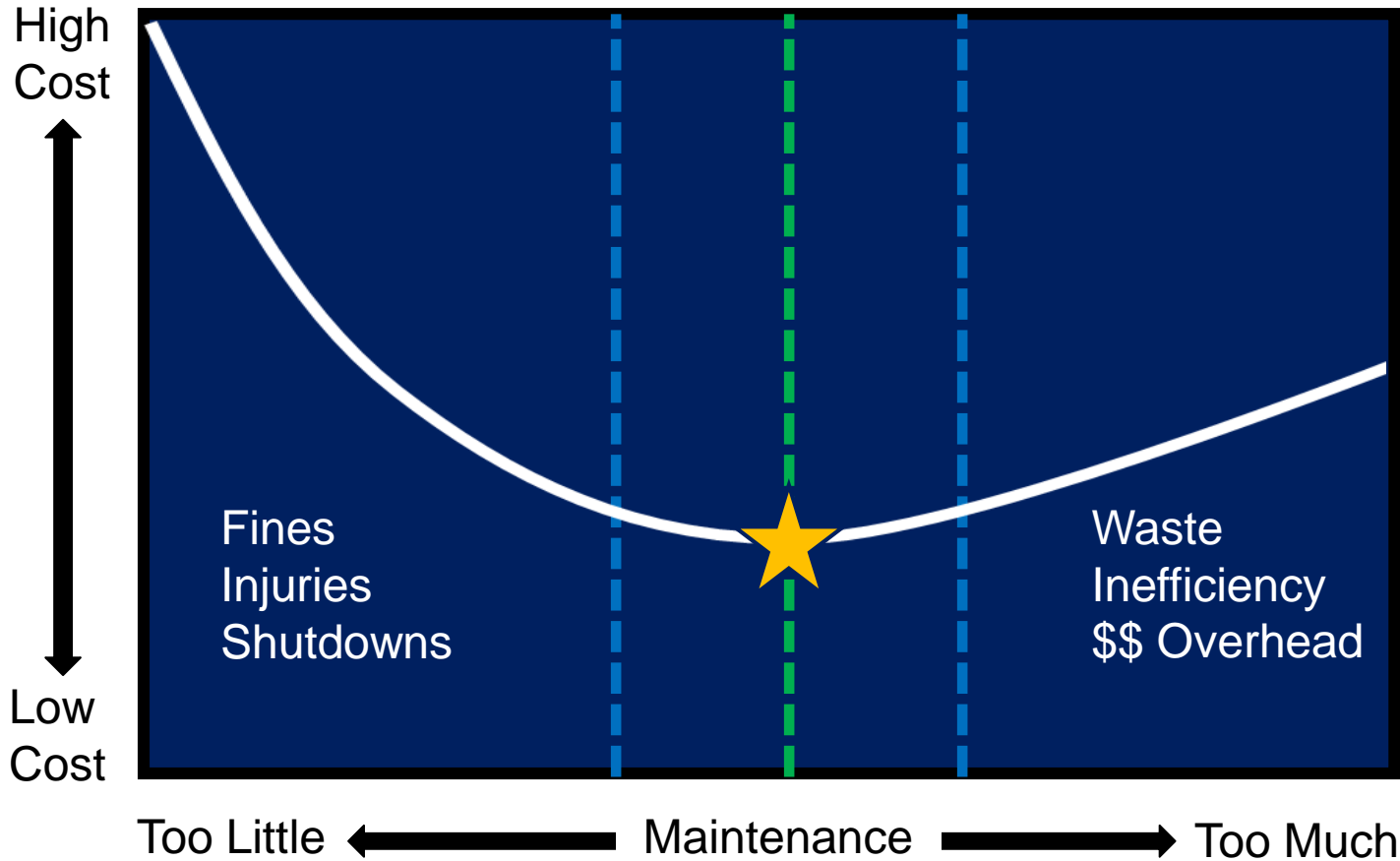
Link Between Asset And Records

Run Hours

Comprehensive Repair History

Standardized Repair & Maintenance Procedures



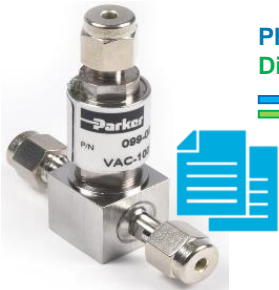


Parker Tracking System (PTS) is among the worlds most widely adopted asset tagging and management solutions.

*Over **20 million** assets, supported by 1100+ service locations in 50 countries.*

Do you have a product pedigree?

Parker Products



Physical Product +
Digital Record

PTS Asset Management



Customer Site



Repair Order



Product + Service History



What we deliver.



*Why Parker's
different.*



A wide-angle photograph of the ocean under a heavy, grey, overcast sky. In the distance, two offshore oil rigs are visible. The rig on the right is larger and more detailed, showing its derrick and support structure. The rig on the left is smaller and less distinct. The water is dark blue with small waves.

Thank You

parker.com/PTS