

VALUING INDUSTRIAL ASSETS

The Importance of Certified Machinery and Equipment Appraisals



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Chapter 1: Introduction to Certified Machinery and Equipment Appraisals

Certified machinery and equipment appraisals play a critical role in the management of industrial assets. This chapter provides an overview of the importance of certified machinery and equipment appraisals in business and the role they play in ensuring the smooth running of industrial operations.

In today's fast-paced business environment, it is essential for companies to make informed decisions regarding their assets. Certified machinery and equipment appraisals are an essential tool for businesses that rely on industrial assets to make decisions regarding investments, loans, mergers and acquisitions, taxation, and insurance.

Certified machinery and equipment appraisals involve the valuation of industrial assets, such as manufacturing equipment, construction machinery, and transportation equipment, by accredited professionals. The appraisal process typically involves an inspection of the assets, research on the market conditions, and the application of appropriate appraisal methods to determine their value.

The value of industrial assets can vary significantly depending on their condition, age, maintenance, and market demand. A certified appraisal provides an objective and reliable estimate of the value of the assets, which can help businesses make informed decisions regarding their assets.

Certified machinery and equipment appraisals are also essential for ensuring compliance with regulations, such as tax laws and insurance requirements. Inaccurate or outdated appraisals can result in financial loss and legal liability for businesses.

Certified machinery and equipment appraisals are essential for businesses that rely on industrial assets. They provide an objective estimate of the value of the assets, which can help businesses make informed decisions regarding their assets.

Chapter 2: ASA Certified Equipment and Machinery Inspections

ASA certified equipment and machinery inspections are conducted by accredited professionals who have met the rigorous standards of the American Society of Appraisers (ASA). In this chapter, we will explore what ASA certification means and the role of certified professionals in the inspection of industrial assets.

ASA certification is recognized as one of the most rigorous and prestigious in the industry. It requires professionals to complete a rigorous program of education, experience, and testing to ensure that they have the knowledge and skills required to provide high-quality services.

ASA certified equipment and machinery inspections are conducted by professionals who have been accredited by the ASA to inspect and appraise industrial assets. These professionals have extensive knowledge of the industry, including the latest trends, regulations, and standards. They are also trained to use the latest tools and techniques to provide accurate and reliable inspections.

The inspection process for ASA certified equipment and machinery inspections typically involves a visual inspection of the assets, including a review of their condition, maintenance, and documentation. The accredited professional may also conduct tests, measurements, or other methods to gather additional information.

The goal of ASA certified equipment and machinery inspections is to provide an objective and reliable assessment of the value and condition of industrial assets. This information can be used by businesses to make informed decisions regarding their assets, such as maintenance, repair, replacement, or sale.

ASA certification is important for businesses because it ensures that the accredited professional has the knowledge, skills, and ethical standards required to provide high-quality services. It also provides a

level of credibility and trust for businesses that rely on the appraisal services of these professionals.

In summary, ASA certified equipment and machinery inspections are conducted by accredited professionals who have met the rigorous standards of the American Society of Appraisers. These professionals have extensive knowledge of the industry and use the latest tools and techniques to provide accurate and reliable inspections. ASA certification ensures that businesses receive high-quality services from qualified professionals.

Chapter 3: Understanding the Inspection Process

The inspection process is a critical component of certified machinery and equipment appraisals. It involves a thorough examination of industrial assets to determine their condition, maintenance, and potential problems. In this chapter, we will discuss the importance of selecting a qualified inspector and the methods used in the inspection process.

Selecting a qualified inspector is crucial for ensuring the accuracy and reliability of the inspection. Qualified inspectors are typically accredited professionals who have undergone extensive training and education in the industry. They have the knowledge and skills required to identify potential problems and provide accurate assessments of the value and condition of industrial assets.

The inspection process typically involves a visual examination of the assets, including a review of their documentation, maintenance records, and physical condition. The inspector will also conduct tests and measurements to gather additional information.

The inspection process may also include a review of the market conditions, such as supply and demand, trends, and pricing. This information is critical for providing an accurate assessment of the value of the assets.

One of the key methods used in the inspection process is non-destructive testing (NDT). NDT involves the use of advanced technology to identify potential problems, such as cracks, corrosion, and defects, without causing damage to the asset. Some common NDT methods include ultrasonic testing, magnetic particle testing, and radiographic testing.

Another important method used in the inspection process is vibration analysis. Vibration analysis involves the measurement and analysis of the vibrations produced by the asset to identify potential problems, such as misalignment, unbalance, and bearing wear.

The inspection process is a critical component of certified machinery and equipment appraisals. It involves a thorough examination of industrial assets to determine their condition, maintenance, and potential problems. Qualified inspectors, non-destructive testing, and vibration analysis are some of the methods used in the inspection process to provide accurate and reliable assessments of the value and condition of industrial assets.

Chapter 4: Understanding the Appraisal Process

The appraisal process is an essential part of certified machinery and equipment appraisals. It involves a thorough assessment of industrial assets to determine their fair market value. In this chapter, we will discuss the importance of selecting a qualified appraiser and the methods used in the appraisal process.

Selecting a qualified appraiser is critical for ensuring the accuracy and reliability of the appraisal. Qualified appraisers are typically accredited professionals who have undergone extensive training and education in the industry. They have the knowledge and skills required to assess the value of industrial assets based on market conditions, asset condition, and other relevant factors.

The appraisal process typically involves a review of the assets and related documentation, including maintenance records, usage history, and other relevant information. The appraiser will also review market data to determine the fair market value of the assets.

One of the key methods used in the appraisal process is the cost approach. The cost approach involves determining the replacement cost of the asset and deducting any depreciation based on its age and condition. The resulting value provides an estimate of the fair market value of the asset.

Another important method used in the appraisal process is the income approach. The income approach involves estimating the potential income that the asset could generate and applying a capitalization rate to determine its value. This method is commonly used for assets that generate income, such as rental properties or manufacturing equipment.

The sales comparison approach is another method used in the appraisal process. This approach involves comparing the asset to similar assets that have recently sold in the market. The sales data is used to determine the fair market value of the asset based on its condition, age, and other relevant factors.

The appraisal process is a critical component of certified machinery and equipment appraisals. It involves a thorough assessment of industrial assets to determine their fair market value. Qualified appraisers, cost approach, income approach, and sales comparison approach are some of the methods used in the appraisal process to provide accurate and reliable assessments of the value of industrial assets.

Chapter 5: Types of Industrial Assets

Certified machinery and equipment appraisals are necessary for a wide variety of industrial assets. In this chapter, we will discuss the different types of industrial assets that require certified machinery and equipment appraisals.

- 1. Manufacturing Equipment** Manufacturing equipment includes machines used in manufacturing, production, and assembly lines. This includes machinery such as lathes, milling machines, grinders, presses, and other specialized equipment. Certified machinery and equipment appraisals for manufacturing equipment are crucial for ensuring accurate assessments of their fair market value.
- 2. Construction Machinery** Construction machinery includes equipment used for construction, demolition, and excavation. This includes machinery such as excavators, bulldozers, loaders, backhoes, cranes, and other specialized equipment. Certified machinery and equipment appraisals for construction machinery are essential for providing accurate assessments of their value, especially for financing and tax purposes.
- 3. Transportation Equipment** Transportation equipment includes vehicles used for transportation, such as trucks, trailers, and buses. Certified machinery and equipment appraisals for transportation equipment are crucial for ensuring accurate assessments of their fair market value, especially for insurance and tax purposes.
- 4. Medical Equipment** Medical equipment includes equipment used in the healthcare industry, such as MRI machines, X-ray machines, ultrasound machines, and other specialized equipment. Certified machinery and equipment appraisals for medical equipment are essential for providing accurate assessments of their value, especially for financing and tax purposes.
- 5. Agricultural Equipment** Agricultural equipment includes machinery used in farming, such as tractors, harvesters, plows, and other specialized equipment. Certified machinery and equipment appraisals for agricultural equipment are essential for providing accurate assessments of their fair

market value, especially for financing and tax purposes.

There are various types of industrial assets that require certified machinery and equipment appraisals, including manufacturing equipment, construction machinery, transportation equipment, medical equipment, and agricultural equipment. Appraisals for these assets are essential for ensuring accurate assessments of their fair market value, which is crucial for financing, insurance, and tax purposes.

Chapter 6: Appraisals for Mergers and Acquisitions

Mergers and acquisitions involve the consolidation of companies or the acquisition of a company by another. During these transactions, certified machinery and equipment appraisals play a vital role in determining the fair market value of assets involved. In this chapter, we will explore the importance of appraisals in mergers and acquisitions and the different approaches used in valuation.

Importance of Appraisals in Mergers and Acquisitions

Mergers and acquisitions involve significant investments, and it is crucial to understand the value of the assets involved to make informed decisions. Certified machinery and equipment appraisals provide an unbiased assessment of the value of industrial assets, which is critical in negotiations. The appraisals help the parties involved to understand the value of the assets, including their condition, age, and usefulness, among other factors.

Different Approaches in Valuation

There are three main approaches to value in certified machinery and equipment appraisals: the cost approach, the income approach, and the market approach.

- 1. Cost Approach** The cost approach involves determining the replacement cost of the asset and subtracting depreciation to arrive at the fair market value. This approach is useful for determining the value of newer equipment, especially when there are no comparable sales.
- 2. Income Approach** The income approach involves calculating the present value of the income the asset is expected to generate over its useful life. This approach is useful for assets that generate income, such as manufacturing equipment or transportation equipment.
- 3. Market Approach** The market approach involves analyzing comparable sales of similar assets to arrive at a fair market value. This approach is useful for assets with established markets, such as construction equipment or agricultural equipment.

Certified machinery and equipment appraisals are essential in mergers and acquisitions to ensure the fair market value of the assets involved. The different approaches to valuation provide a comprehensive understanding of the assets and their worth. By obtaining certified appraisals, companies can make informed decisions in mergers and acquisitions, which are crucial for long-term success.

Chapter 7: Appraisals for Financing

Financing industrial assets, such as machinery and equipment, is a common practice in many industries. However, securing financing can be challenging, particularly for small and medium-sized enterprises. Certified machinery and equipment appraisals play a critical role in financing by providing an objective valuation of assets. In this chapter, we will explore the different financing options available for industrial assets and the role of certified appraisals in securing financing.

Financing Options for Industrial Assets

There are several financing options available for industrial assets, including traditional bank loans, equipment leasing, and asset-based financing.

1. **Traditional Bank Loans** Traditional bank loans are a common financing option for industrial assets. They involve borrowing a fixed amount of money from a bank and repaying it over an agreed period, usually with interest. Bank loans may require collateral, such as machinery and equipment, to secure the loan.
2. **Equipment Leasing** Equipment leasing involves renting machinery and equipment for a specific period. The lessor owns the equipment, while the lessee pays monthly rent. Equipment leasing may be an attractive option for businesses that need to upgrade their equipment frequently.
3. **Asset-Based Financing** Asset-based financing involves borrowing money against the value of assets, such as machinery and equipment. The lender uses the assets as collateral and may provide financing up to a certain percentage of the asset's value.

Role of Certified Appraisals in Securing Financing

Certified machinery and equipment appraisals play a crucial role in securing financing for industrial assets. Lenders require accurate appraisals to ensure that the assets are worth the amount being borrowed. The appraisal report provides a detailed description of the asset, its condition, and its fair market value. Lenders use this information to determine the loan amount, interest rates, and repayment terms.

Certified appraisals also provide assurance to the lender that the asset is adequately insured, reducing the risk of loss due to damage or theft. The appraisal report may also help the borrower negotiate better loan terms, such as lower interest rates or longer repayment periods.

Certified machinery and equipment appraisals are essential in securing financing for industrial assets. They provide an objective valuation of assets, which is critical in determining the loan amount and interest rates. By obtaining certified appraisals, borrowers can negotiate better loan terms, and lenders can make informed decisions about financing.

Chapter 8: Appraisals for Insurance Coverage

Industrial assets, such as machinery and equipment, are critical to the operations of many businesses. Insuring these assets is essential to protect against losses due to damage or theft. Certified machinery and equipment appraisals play a crucial role in insurance coverage by providing an objective valuation of assets. In this chapter, we will explore the different types of insurance coverage available for industrial assets and the role of appraisals in determining coverage.

Types of Insurance Coverage

There are several types of insurance coverage available for industrial assets, including:

1. **Property Insurance** Property insurance covers the cost of repairing or replacing damaged or stolen assets. It may cover perils such as fire, theft, and natural disasters.
2. **Business Interruption Insurance** Business interruption insurance covers the loss of income due to an interruption in business operations caused by damage to insured assets.
3. **Liability Insurance** Liability insurance covers damages and legal expenses resulting from accidents or injuries on the premises or caused by company operations.

Role of Certified Appraisals in Insurance Coverage

Certified machinery and equipment appraisals play a critical role in insurance coverage by providing an objective valuation of assets. The appraisal report provides a detailed description of the asset, its condition, and its fair market value. This information helps insurance companies determine the appropriate amount of coverage and premiums.

In the event of a loss, the appraisal report is used to determine the value of the damaged or stolen asset. Insurance companies may use this information to calculate the payout amount and determine whether the asset should be repaired or replaced.

Certified machinery and equipment appraisals are essential in determining insurance coverage for industrial assets. The appraisal report provides an objective valuation of assets, which is critical in determining the appropriate amount of coverage and premiums. By obtaining certified appraisals, businesses can ensure that their assets are adequately insured, reducing the risk of losses due to damage or theft.

Chapter 9: Specialized Appraisals

Certified machinery and equipment appraisals can be tailored to fit unique situations, such as bankruptcy, tax purposes, and litigation support. Specialized appraisals require a thorough understanding of the specific situation and applicable regulations. In this chapter, we will explore the different types of specialized appraisals and the importance of working with a qualified appraiser.

Bankruptcy Appraisals

In a bankruptcy situation, certified machinery and equipment appraisals are used to determine the value of assets for liquidation or reorganization purposes. The appraiser must adhere to strict guidelines and regulations, such as the Uniform Standards of Professional Appraisal Practice (USPAP) and the Bankruptcy Code.

Tax Appraisals

Certified machinery and equipment appraisals can also be used for tax purposes, such as estate planning or donation. The appraiser must have a thorough understanding of the applicable tax laws and regulations to provide an accurate appraisal that meets IRS requirements.

Litigation Support Appraisals

Certified machinery and equipment appraisals can also be used in litigation support, such as for insurance claims or disputes. The appraiser may provide expert witness testimony and prepare a detailed appraisal report that meets legal requirements.

Importance of Working with a Qualified Appraiser

Specialized appraisals require a thorough understanding of the specific situation and applicable regulations. Working with a qualified appraiser ensures that the appraisal meets the necessary requirements and provides an accurate valuation. The appraiser should have experience in the specific type of appraisal needed and be familiar with relevant regulations and guidelines.

Certified machinery and equipment appraisals can be specialized to fit unique situations, such as bankruptcy, tax purposes, and litigation support. Specialized appraisals require a thorough understanding of the specific situation and applicable regulations. By working with a qualified appraiser, businesses can ensure that the appraisal meets the necessary requirements and provides an accurate valuation.

Chapter 10: Choosing a Certified Machinery and Equipment Appraiser

Selecting the right certified machinery and equipment appraiser is crucial for businesses that require accurate valuations of industrial assets. In this chapter, we will provide guidelines for choosing the right appraiser, including factors such as accreditation, experience, reputation, and communication, with reference to the services offered by ICS Appraisals.

Accreditation

The first factor to consider when choosing a certified machinery and equipment appraiser is accreditation. ICS Appraisals is accredited by the American Society of Appraisers (ASA), ensuring that their appraisers adhere to strict ethical and professional standards. The ASA requires appraisers to have a minimum of five years of experience and to pass rigorous exams to become accredited.

Experience

Experience is another crucial factor to consider when selecting an appraiser. ICS Appraisals has over 30 years of experience in providing appraisals for a wide range of industrial assets, including construction equipment, manufacturing equipment, and transportation assets. Their appraisers have industry-specific knowledge and are equipped to provide accurate valuations.

Reputation

The reputation of the appraiser is also important. ICS Appraisals has a track record of providing accurate and reliable valuations for their clients. They have received numerous positive reviews and references from past clients, indicating their reputation for quality appraisal services.

Communication

Communication between the appraiser and the client is critical for successful appraisal services. ICS Appraisals places great emphasis on communication and ensuring that their clients are informed throughout the appraisal process. Their appraisers are responsive, professional, and able to communicate complex valuation concepts in a way that is easy to understand.

Choosing the right certified machinery and equipment appraiser is crucial for businesses that require accurate valuations of industrial assets. Factors to consider when selecting an appraiser include accreditation, experience, reputation, and communication. ICS Appraisals meets these criteria and provides high-quality appraisal services for a wide range of industrial assets. By choosing a qualified appraiser like ICS Appraisals, businesses can ensure successful appraisal services and accurate valuations of their industrial assets.



Meet Dawn Moesser, the founder and an ASA certified appraiser of Machinery & Technical Valuations at ICS Asset Management Services, Inc. As the President of ICS, Moesser provides certified appraisal services for small businesses and SBA financial lending markets in construction, heavy machinery, and medical equipment. ICS has been providing comprehensive asset valuation and portfolio management services for 25 years, including asset inspections, inventory compilation, and equipment valuation.

Moesser's 25-year career in asset management includes eight years of experience with GE Capital Corporation, where she managed off-lease portfolios and developed residual valuation practices. At GE, Moesser conducted portfolio appraisals, managed commercial credit, and evaluated marketing and customer service needs. She received her Accredited Senior Appraiser designation from the American Society of Appraisers.

ICS Asset Management Services is your single source for total asset management. With extensive experience in the commercial financial industry, ICS provides precise analysis for all asset management services. Whether you are entering into a new loan or lease, or negotiating end-of-lease purchase options, ICS's appraisal and inspection services can help you make smart decisions in funding and finance.

At ICS, we understand the importance of deadlines and commitments to our clients. We are dedicated to meeting those commitments and place the highest regard on protecting the confidentiality of your information.

ICS's services are competitively priced, and you won't find other asset management assistance as thorough, accurate, timely, or valuable as what our ASA-accredited appraisers can provide. Contact us today by visiting our website at <http://www.icsappraisals.com> or call 800-536-7376 to learn more about our services and how we can help you manage your assets effectively.

