

Tangshan Shunfeng Logistics Company's warehousing and distribution problems and solutions

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【Abstract】 Modern enterprises all focus on cost control, operational efficiency, and optimized services. Logistics management plays a very important role in enterprise management. The warehousing and distribution logistics process is the most important component of production enterprise logistics, and the level of warehousing and distribution in production enterprises directly affects their competitiveness. This article takes the transportation and distribution management of SF Express as the research object, starting from analyzing the current situation of SF Express's distribution and warehousing of goods, to discover the problems of warehousing and distribution in modern enterprises and the solutions to these problems, in order to improve the operation mode of warehousing and distribution in modern enterprises and save costs.

【Key Words】 Warehousing; distribution; informatization

1. Business background

1.1 Enterprise Introduction

In 1993, SF Express was born in Shunde, Guangdong Province. On February 24, 2017, it was officially renamed SF Express Holdings. As of now, SF Express has established its business outlets in various cities across the country, with over 2000 business outlets covering more than 20 provinces and over 100 prefecture level cities across the country.

Tangshan Shunfeng Logistics Company is located at 971 Airport Third Road, Xihang Port, Tangshan City. After years of development, distribution points are distributed around the urban area and widely in county-level communities in Tangshan. The location advantage of Tangshan City is very significant. It is located in the central area of Bohai Bay, the throat of the North China and Northeast Passage, and is the central city of the Beijing-Tianjin-Tang Industrial Base, greatly facilitating the commercial and transportation

aspects of Tangshan SF Logistics. Provide solutions based on consumer demand through big data analysis and market forecasting. A logistics service system integrating the internet, transportation network, and aviation network has been formed, covering the logistics service network in North China and Northeast China. It is the strongest logistics company among its peers in the Beijing-Tianjin-Hebei logistics industry to provide customers with logistics solutions, and also the fastest delivery speed logistics company in the Beijing Tianjin Hebei industry. Tangshan Shunfeng Logistics Company is centrally managed by the enterprise headquarters for county-level branches, ensuring the normal operation of the entire operating system. Our main services include express delivery, cold chain, and warehousing and distribution services.

Based on logistics, Tangshan Shunfeng provides innovative brand experiences for merchants, selects products and suppliers for consumers, and assists high-quality small enterprises in flexible financing. It takes on the responsibility of network,

technology, and people for the efficient operation of the commercial society. SF Express promises to deliver wholeheartedly, only to achieve every care, trust, and expectation.

1.2 Current situation of enterprise warehousing and distribution

Provide professional warehousing and distribution solutions for enterprise customers to meet the needs of different industries. The basic equipment of the distribution center is excellent, capable of handling various types of goods, including electronic products, clothing, food, beauty and health products, fresh food, etc. Tangshan SF Express has a strong delivery team and a comprehensive service network, implementing a zero inventory plan relative to the warehouse. Having the largest warehouse area in the Beijing Tianjin Hebei region exceeding 300000 square meters provides greater space for cargo storage, but also poses greater challenges to cargo storage services.

Due to the neglect of problems in warehousing and distribution by enterprises in order to increase production and efficiency, such as low professional level of warehouse personnel and incomplete special facilities and equipment;

2. Problems of Logistics Company

2.1 Warehouse goods stacking, warehouse location is unreasonable

Due to the fact that Tangshan SF Express establishes warehouses based on administrative departments, different departments and levels have set up warehouses to meet their own convenience, making Tangshan SF Express's warehouse ownership among the top in the same industry in North China and Northeast China. Although the warehouse has a large area and a large quantity, the level of management is not high. The primary reason for this is that some managers do not place enough emphasis on warehouse management in their thinking. They prioritize how to win over customers, and as soon as the package arrives, it is placed in the

warehouse without classifying the goods according to their functions. For special goods, there is no special treatment, such as classifying flammable, explosive, solid, liquid, and vapor goods, which causes huge losses to the warehouse. The failure to determine the location of goods based on their inflow and outflow volume and frequency has increased inventory costs and caused great inconvenience to inventory mobilization. The lack of reasonable stacking and storage location of goods not only brings inconvenience to warehousing services but also poses greater risks to warehousing safety.

2.2 Storage of special facilities and equipment are not perfect

Logistics facilities and equipment mainly include shelves, sorting equipment, and information management systems, supporting the entire process of stacking and sorting goods in logistics warehousing. For the storage of ordinary goods in the current warehouse, logistics facilities and equipment can basically meet the needs of goods. There are medium-sized shelves, pallet shelves, and electronic label shelves in the warehouse, but they are basically suitable for goods without special storage conditions. Compared to the increasing demand for specialized warehouses for aquatic products, cold storage, liquid storage, and storage of special chemical hazardous materials, it is evident that existing warehouses cannot provide better storage conditions. Moreover, it brings difficulties to the placement and inventory of goods, and even leads to phenomena such as damaged goods and quality damage.

2.3 Storage of special facilities and equipment are not perfect

With the development of network informatization, the management of logistics systems relies more on information management, such as the gradual rise of e-commerce platforms. At present, the automation system in warehousing is not very complete and requires a large amount of manual labor. Compared to the increasing market demand, the current situation cannot better meet the requirements of the demand side. The information

management of the warehouse itself is not in place, and a series of issues such as goods placement cannot be better managed, resulting in the inability to obtain information about the goods in the first time, thereby reducing efficiency and increasing storage costs. The management of distribution informatization directly affects the service and reputation of the supply and demand sides. Incomplete distribution information can lead to the loss of goods, the inability of distribution personnel and vehicles to reach the maximum limit, and thus increase distribution costs.

2.4 Lack of professional logistics management talents, enterprise staff quality is not high

Lack of professional logistics management talents. The development of modern logistics is different from traditional logistics, which is manually controlled and greatly influenced by human factors and time. The current logistics market is basically open, but the awareness of enterprises has not yet been popularized. Modern enterprises mainly focus on reducing costs and increasing profits in the field of logistics, but they have not realized the cultivation of professional talents in warehousing and distribution, and have not provided professional training for warehousing and distribution employees. Generally, employees still lack professional knowledge and are some cheap labor force. The low quality of employees requires management personnel to supervise and even affect work progress.

2.5 Tangshan SF logistics warehousing and distribution of urban and rural development imbalance

The Shunfeng warehouse in Tangshan City is mainly built near the end market and can improve the timeliness of goods delivery, thereby reducing delivery costs. The location selection of SF Express based on the overall environment is persuasive, but the main storage and distribution facilities are located around the urban area, and even county-level cities do not have warehouses. During the delivery period, it has caused great inconvenience to residents at the township and village levels. Most villagers need to go to the township level distribution points

to pick up the delivery, and there are fewer SF Express delivery points at the township level to pick up the delivery personnel. Now, the real name system is implemented for express delivery. When signing for each package information, the recipient needs to confirm the information and sign for confirmation. Although it improves the safety of the package reaching the recipient, most recipients pick it up during the off-duty period. This reduces the efficiency of delivery and also reduces customer satisfaction. Not only is there a large inventory of surrounding warehouses in the city, but also a wide range of distribution points, which brings greater timeliness to urban logistics.

3. Company problem improvement plan

3.1 Improve the management of warehouse goods stacking and inventory

Inventory goods should be classified based on the model and nature of the goods themselves, and not only zoning management should be carried out, but also shelf placement should be arranged. To some extent, manage the inventory of goods and gradually achieve zero inventory. Record the entry and exit time of goods. Goods with more traffic records should be placed in storage locations that are convenient for entering and exiting the warehouse, while goods with less traffic should be placed in suitable storage locations to avoid potential losses to incoming and outgoing goods. Develop a warehouse distribution map to stack goods reasonably and reduce losses caused by stacking errors. Regularly inspect and maintain the goods in the warehouse, especially for special goods, and strictly manage the storage location and stacking of goods. Warehouse should pay attention to access control management and not enter without permission.

3.2 Improve the storage facilities and equipment

Warehouse facilities and equipment are the most important material foundation for enterprises, and good warehouse facilities are an important prerequisite for warehouses to improve operational efficiency and reduce operating costs. With the

development of science and technology, the degree of global economic integration is constantly changing, and the warehousing management of SF Logistics should present a new development trend. The cold storage should be equipped with different temperatures and shelves to meet the needs of frozen, frozen, and constant temperature goods. The storage of special items such as liquid warehouses and chemical hazardous materials should be comprehensively protected and managed. Obvious safety warning signs should be set up on hazardous goods, and fire extinguishers, isolation walls, and combustible gas alarms should be prepared next to them. Introduce more advanced logistics facilities and equipment, improve automation management to reduce losses caused by manual labor, use facilities and equipment correctly to ensure their normal operation, strengthen technical management of facilities and equipment, and regularly maintain and inspect to ensure the safety of various logistics facilities and equipment.

3.3 Introduction of advanced information management system

Logistics information runs through the entire supply chain process, and has the characteristics of multiple information sources, wide distribution, large amount of information, strong dynamism, fast decay of information value, and high timeliness requirements. This means that the receiving, processing, and processing of logistics information require fast speed and a wide variety of types. The collection and processing of traditional logistics information are all done manually, but with the rapid demand for logistics information, accuracy and efficiency have to be transformed into modern logistics. New technologies have emerged in modern logistics information collection and processing, utilizing barcode technology, wireless radio frequency technology, electronic data exchange technology, etc. So it is necessary to introduce advanced information management systems to improve the utilization rate of warehouses and the accuracy and timeliness of information during the delivery process.

4. Research results

Modern logistics is gradually moving towards integrated management of warehousing and distribution. Warehousing and distribution are also the lifeline of an enterprise, not only to circulate goods but also to maximize their value in the shortest possible time. To ensure customer satisfaction with the enterprise and promote the reasonable configuration and use of warehouses and delivery vehicle routes, achieving stable development of the enterprise.

SF Logistics is one of the well-known logistics enterprises in the domestic logistics industry. Compared to small enterprises, SF Logistics is relatively complete in all aspects of logistics. However, compared to SF Logistics' research on warehousing and distribution issues, it reflects that the logistics system has incomplete infrastructure and equipment, low level of information management, a lack of logistics professionals, and low employee quality. Enterprises do not pay enough attention to the problems of warehousing and distribution.

If enterprises reflect on the problems that arise in warehousing and distribution and propose solutions in a timely manner, it will greatly reduce the losses that enterprises bring to them in terms of warehousing and distribution. Propose reasonable solutions that can better achieve integrated management of warehousing and distribution.

In the process of commodity circulation, business flow, logistics, capital flow, and information flow are closely combined, which can achieve logistics without business flow and business flow without logistics to a certain extent. However, most of the business flow, capital flow, and information flow will be generated along with logistics, and they will work together to maximize the value of the goods. Logistics plays an important role in the field of commodity circulation, and warehousing and distribution are the core functions of the logistics system. It is necessary to better develop warehousing and distribution.

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