

# SENTRON.™

## THE PROOF.

### **CUSTOMER:**

STRATFORD GENERAL HOSPITAL,  
ONTARIO, CANADA

### **RESULTS:**

OIL CHANGES REDUCED,  
ESSENTIAL SERVICES  
MAINTAINED



A HOLLYFRONTIER BRAND

## STRATFORD GENERAL HOSPITAL'S

120 beds serve Perth County, Ontario, providing a much-needed public service for the county's thousands of residents. Between its four hospitals, including Stratford General, the Huron Perth Healthcare Alliance employs over 1,000 people.

Good-quality and reliable public services are essential to, and highly valued by, local

communities—especially during periods of global uncertainty. Stratford General Hospital's central cogeneration plant, which consists of a 1,137-kilowatt Jenbacher engine with a tank boiler system, keeps these essential services running.

Operating an efficient central plant saves the hospital around 8,000 megawatt hours annually of hydro power consumption and close to \$350,000 annually in utility costs.

## THE CHALLENGE

*Provide a long-life engine oil with superior anti-wear protection to reduce equipment downtime and enable Stratford General Hospital to consistently provide its services*

Delivering efficient health services is critical to Huron Perth Healthcare Alliance, which means its engine, a Jenbacher JGS 416, and tank boiler systems need to be consistently available to support its operations. Therefore, **downtime must be kept as minimal as possible.**

Prior to being introduced to Petro-Canada Lubricants products, Stratford General Hospital had to change the engine oil used in its tank boiler system approximately **every two months** due to excessive premature wear experienced when using the oil. With each oil change requiring the engine to be stopped, such frequent changes were potentially reducing the hospital's operational efficiency and could be **detrimental to its ability to provide essential healthcare services** to the local community.

With this in mind, Huron Perth Healthcare Alliance set out to **improve its efficiency, engine performance and limit engine downtime.**

## THE SOLUTION

*A premium stationary gas engine oil offering extended drain intervals and exceptional anti-wear protection*

Petro-Canada Lubricants SENTRON™ gas engine oils are **high-performance, long-life engine oils** used for stationary gas engines in a wide variety of applications, with a key focus on power generation and gas compression.






A review of Stratford General Hospital's performance was conducted, which included analysis of its operating conditions and existing engine oil. Based on these findings, Petro-Canada Lubricants SENTRON™ LD 8000, a premium-performance, long-life stationary gas engine oil, was recommended.

SENTRON™ LD 8000 provides **exceptional performance** in severe service conditions due to its **outstanding anti-wear protection**, minimizing polish and wear of cylinder liners and piston rings, while helping to reduce carbon buildup.

The premium product offers the ability to **extend drain intervals, reduce unplanned maintenance** and **maximize uptime**, which can form part of a more reliable operation. Additionally, SENTRON™ LD 8000 provides **longer oil life** for long-standing equipment protection, which can reduce total operating costs and **improve engine performance.**

All of the above reasons supported Stratford General Hospital's decision to switch to SENTRON™ LD 8000 for its Jenbacher JGS 416 engine.

# THE RESULTS

-  **Extended oil drain intervals**
-  **Less downtime**
-  **Increased engine efficiency**
-  **Improved performance in demanding conditions**
-  **Increased engine uptime**

Switching to Petro-Canada Lubricants SENTRON™ LD 8000 enabled Stratford General Hospital to avoid downtime and maintain its ability to provide essential services to its residents.

The premium-performance oil, which is well-suited for the operating conditions of the engine, has

certainly made a difference. Oil drain intervals have been significantly extended, removing the subsequent unnecessary maintenance, and importantly, equipment downtime.

SENTRON™ LD 8000's long oil life, which is due to the oil's exceptional resistance to oxidation and nitration, as well as an ability to neutralize harmful acids, allowed operators at Stratford General Hospital to extend oil drain intervals and therefore maximize engine efficiency.

The oil proved suitable for high temperatures, pressures and loads experienced by the INNIO Jenbacher engine.

The quality of oil and knowledge demonstrated in selecting the appropriate product has enabled Stratford General Hospital to run its engine more efficiently and, crucially, enhance its provision of essential services to Perth County, Ontario.

## SENTRON™ PREMIUM GAS ENGINE OILS

SENTRON™ is a line of premium stationary gas engine oils highly regarded in its industry. Each SENTRON™ product delivers unparalleled performance through a longer-lasting oil. Its unique formulations increase reliability and reduce downtime. It offers superior anti-wear protection to extend equipment life and is engineered to tackle tough operational demands.



# OUR NO-NONSENSE LUBRICANTS **WARRANTY**

“We will repair equipment or replace equipment parts that are damaged due to defects of a Petro-Canada Lubricants product, as long as the lubricant is used in accordance with your equipment manufacturer’s and our recommendations.”

**IT’S MORE THAN JUST A WARRANTY. IT’S A COMMITMENT.**

To learn more about how Petro-Canada Lubricants products can help your business, visit **[lubricants.petro-canada.com](https://lubricants.petro-canada.com)** or contact us at **[lubecsr@hollyfrontier.com](mailto:lubecsr@hollyfrontier.com)**

Committed to the disciplined operation of our business.

