

SENTRON.™

THE PROOF.

CUSTOMER:

AB ENERGY CANADA

SITE:

STRATFORD GENERAL HOSPITAL,
ONTARIO, CANADA

RESULTS:

OIL CHANGES REDUCED,
ESSENTIAL SERVICES
MAINTAINED



LUBRICANTS

AN HF SINCLAIR 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 hydropower consumption and close to \$350,000 annually in utility costs.

THE CHALLENGE

Provide a long-life engine oil with superior performance to reduce equipment downtime and enable AB Energy Canada to consistently provide its maintenance 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 adopting Petro-Canada Lubricants products, AB Energy Canada, as part of the maintenance services provided to Stratford General Hospital, had to change the

engine oil used in the cogeneration plant Jenbacher engine approximately **every three months** based on the oil analysis results and related Jenbacher directives. 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 health care services** to the local community.

With this in mind, AB Energy Canada set out to **improve the engine efficiency and performance while limiting the engine downtime** for its customer, Stratford General Hospital.

THE SOLUTION

A premium stationary gas engine oil offering extended drain intervals and exceptional 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.






AB Energy Canada reviewed Stratford General Hospital's performance, including 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 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 AB Energy Canada's decision to switch to SENTRON™ LD 8000 for its maintenance services on the cogeneration plant 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 AB Energy Canada to limit downtime and maintain Stratford General Hospital's ability to provide essential services to its patients.

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, enables extended oil drain intervals and therefore maximizes engine efficiency.

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

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 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** or contact us at **lubecsr@hfsinclair.com**

Committed to the disciplined operation of our business.



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