

# SENTRON.™

## THE PROOF.

### CUSTOMER:

BIETIFIN,  
BOLOGNA, ITALY

### RESULTS:

OIL DRAIN INTERVALS  
EXTENDED BY OVER 50%,  
INCREASED ENGINE EFFICIENCY



LUBRICANTS

A HOLLYFRONTIER BRAND

**BIETIFIN** is an Italian leader in technical assistance services for the biogas sector. Centred in Bologna, and regulated by Consorzio Nazionale Bieticoltori, or the National Consortium Beet Growers, the company provides **technical** and union support to the beet sector by working with and supporting the growers.

Bietifin runs over 200 plants and owns more than 20 itself. Given the scale of its responsibility to the sector, Bietifin has an internal research and development centre, which works every day to improve the performance of its owned plants.

Many of the company's plants produce biogas from agro-zootechnical residues, including beet residues. The electricity produced is fed back into the grid. At the end of 2016, most of the group's plants had drain intervals set at under 2,000 hours, meaning frequent downtime for scheduled maintenance. Demonstrating its commitment to ensuring the efficiency of its plants, Bietifin made a change.

## THE CHALLENGE

*Provide a stationary gas engine oil to extend drain intervals at Bietifin's key locations*

With efficiency at the heart of Bietifin's operation, finding marginal gains is crucial for the organization. Engine oil is one key area where this is possible, especially when it comes to oil drain intervals.

San Giuseppe Agroenergia is one of the plants owned by Bietifin and in early 2016, its Jenbacher Type 3 ECOMAX 6 – JK720 – 635 kW engine required an oil change on average every 1,690 hours. Biotre Energy,

another of Bietifin's plants, used a Jenbacher Type 3 ECOMAX 10 – JN897 – 1 MW and needed an oil change every 2,000 hours or less.

The frequency of downtime associated with oil changes can **impact an organization's efficiency** and its **ability to provide power** to crucial services.

Bietifin sought out a premium stationary gas engine oil to **extend oil drain intervals and reduce equipment downtime**, supporting the company's commitment to improving efficiency.

## THE SOLUTION

*A premium-performance stationary gas engine oil that can stand up to severe operating conditions*

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.

Bietifin switched to **Petro-Canada Lubricants SENTRON™ CG 40**, a medium-ash oil designed specifically for 4-stroke cycle gas engines running in severe service.

Bietifin's plants provide power for industries that are crucial to their local communities. As the power output required for these industries is high, it's important that output is reliable.

SENTRON™ CG 40's **exceptional oil life** and **anti-wear protection** make it well-suited to the severe conditions experienced at Bietifin's plants and research centre. Following initial testing of the product at San Giuseppe Agroenergia, Bietifin extended its use to more of its locations, including its research and development centre.

# THE RESULTS



**Oil drain intervals increased by over 50%**



**Engine downtime reduced**



**Cost savings achieved**



**Engine efficiency improved**

Switching to Petro-Canada Lubricants SENTRON™ CG 40 enabled Bietifin to **improve its operating efficiency** at a number of its plants and locations.

Two of the company's biggest plants, San Giuseppe Agroenergia and Biotre Energy, both extended drain intervals to **beyond 3,000 hours, an increase of over 50%**.

Such gains were **beyond the expectation** of operators at Bietifin's plants, which has led the company to explore the use of the product throughout its 200-plant portfolio, as they operate under the same severe conditions.

SENTRON™ CG 40 also demonstrated improved performance compared to the existing oil, namely its anti-wear protection and exceptional oil life.

The switch to SENTRON™ premium stationary gas engine oil has enabled significant gains in the extension of oil drain intervals. This has supported Bietifin in improving its operating efficiency and allowed it to provide an enhanced service to vital local industries.

## 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.

