

THE POWER BEHIND 25,000 HOURS OF SMOOTH OPERATION AT SURAJ COTTON MILLS

With Caltex's HDAX® 9200 Low Ash Gas Engine Oil SAE 40, Suraj Cotton Mills Ltd experienced over 25,000 hours of seamless power generation with confidence and efficiency.



THE CHALLENGE

- Suraj Cotton Mills Ltd is looking for a suitable oil for new, modern Jenbacher engines with small sump sizes and designed for low oil consumption.
- The oil needed to be able to withstand significant operational stress and provide cost-effective operations.
- Achieving a 2,000-hour ODI without lubricant-related issues was critical for operational efficiency.

COMPANY:

Suraj Cotton Mills Ltd

LOCATION:

Raiwind – Punjab, Pakistan

APPLICATION:

Gas Engine

EQUIPMENT:

INNIO Jenbacher
JMS 620 Type J,
steel piston engine



THE RESULTS

The use of Caltex HDAX 9200 SAE 40 enabled Suraj Cotton Mills Ltd to meet their ODI target of 2,000 hours and sustain uninterrupted engine operation for an impressive 25,000 hours.



The LubeWatch Oil Analysis Programme played a pivotal role in maintaining optimal engine performance.

 **25,000^{HRS}**
Uninterrupted operation

Superior base number (BN) retention and wear metal control

2000^{HRS}
ODI target met



Mr. Faraz Ahmed Bajwa,
Manager Engineering
and Operation,
Suraj Cotton Mills Ltd.



We are using Caltex HDAX® 9200 Low Ash Gas Engine oil from the first day on INNIO Jenbacher JMS 620 natural gas engine and have experienced good performance, cost-effective operations and achieved 2000 hour drain interval without any lubricant related problem. Chevron's state of art lab with the latest equipment, timely testing / reporting and technical support gives us more satisfaction and confidence.

We are very satisfied the performance of HDAX 9200, it has shown excellent TBN and TAN results, protected liners and we haven't observed ash deposition. In short HDAX 9200 have delivered excellent results.

We have achieved 25,000-hour operation on HDAX 9200.

We are achieving our target 2000 hours drain interval without any problem. Lube oil differential pressure and other parameters remain well within OEM limits till we change oil.

Special thanks to the Chevron team for providing excellent technical support, timely used oil analysis reports, Videoscope Inspection of Engine Parts, and timely product supplies.



THE RECOMMENDATION

Complemented by the LubeWatch Oil Analysis Programme, technical training for the staff on-site and regular preventive maintenance, this approach ensures optimal engine performance and engine longevity.

Caltex experts recommended implementing the LubeWatch Oil Analysis Program, technical training for the staff on-site and borescope inspection of the engine parts, as part of preventive maintenance practice.

HDAX 9200 is approved by INNIO Jenbacher for their Type 6, Type 4 and Type 2/3 engines operating on natural gas.



INNIO Jenbacher JMS 620 Type J gas engine at
Suraj Cotton Mills Ltd, Raiwind, Punjab.