



Customer
Success
Stories

We pioneer motion

Lubrication runs autonomously

Increased safety, less effort, easy installation

Slaked lime is produced at Visayas Slaked Lime Corporation's (VSLC) plant in the Philippines. To ensure proper and reliable lubrication of the numerous fans and blowers in the dusty environment, VSLC switched from a manual to an automatic lubrication solution. With the CONCEPT1 gas-driven automatic lubricators, the company will reduce maintenance efforts in the future, protect its employees and therefore be more sustainable.

Customer benefits

- Integrity of grease is maintained with no penetration of impurities during relubrication
- Longer bearing life in fans and blowers with reliable preset time intervals
- Enhanced safety with less human deployment in hard-to-reach locations
- Increase in productivity of the Maintenance Team with elimination of manual lubrication
- Sustainable – lubrication cartridges can be refilled up to three times

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Visayas Slaked Lime Corporation (VSLC)
A Subsidiary of JFE



JFE MINERAL COMPANY, LTD.

Customer

VISAYAS SLAKED LIME
CORPORATION (VSLC)

Sector

Mineral Processing

Application

Fans and blowers

Solution

Automatic lubricators

SCHAEFFLER

What the customer does ...



Challenge

VISAYAS SLAKED LIME CORPORATION (VSLC) operates in a very dusty environment resulting from the production of slaked lime and limestone. Therefore, impurities often occur in the lubricants.

These impurities affect, among other things, the bearing life in the fans and blowers. The maintenance team has to keep an ongoing focus on lubrication. As the numerous lubrication points were checked and relubricated manually and due to the sometimes difficult to access lubrication points, the safety of the maintenance staff were at risk.

We need a robust solution that on the one hand simplifies our maintenance work, and on the other hand gives our maintenance team more security. Unplanned plant downtime can have an impact on the entire supply chain,

says Engineer Elmer Tampus, Mechanical Foreman at the Philippine plant.

The maintenance team addressed Schaeffler with this request.



Technical Information

Type	KOGI BRAND BLOWER, 32C75
Dimension	1785 mm x 1090 mm x 1185 mm
Weight	360 kg
Speed	2550 rpm

What Schaeffler offers ...

Solution

Schaeffler's experts recommended the flexible and cost-effective lubrication solution with the automatic lubricator CONCEPT1.

The CONCEPT1 automatic lubrication solution has one outlet and consists of a 125 millilitre cartridge driven by a gas-producing dry cell. The flow rate can be preset differently depending on the amount of lubricant needed for the bearings.

In a pilot, Visaya's Slaked Lime Corporation first used 10 CONCEPT1s on different sized blowers and fans. VSLC quickly recognized the advantages of this solution. The customer was convinced by the simple installation as well as the reduced maintenance effort.



CONCEPT1 – Machines are lubricated with the right quantity of grease at the right time.

What our customer says ...

With the automatic lubricator, we were able in a short time to significantly reduce efforts compared to manual lubrication. We are impressed and absolutely satisfied.

Engineer Rendle Rai S. Cua
Maintenance Section Manager, VSLC



What's special

VSLC is very satisfied with the lubrication solution and has fitted a further 50 lubrication points with CONCEPT1 as a first step. Another 50 lubrication points for motors will soon be installed with automatic lubricators.

What Schaeffler offers ...



How CONCEPT1 works

Screw into place, set the time interval, and you're ready to go! The CONCEPT1 is ready for immediate use and can be installed easily and without the need for special tools. The lubricator can be filled with lubricants a total of three times. This significantly reduces the amount of waste and the ecological footprint. The flexible and cost-effective solution is particularly suitable for machines that are difficult to access and, thanks to ATEX certification, can also be used in potentially explosive atmospheres.

By the way – The cartridge can be filled with other lubricants. Contact Schaeffler for more information.



[> Product page](#)



Information on lubricator CONCEPT1

Lubricant outlet	1
Lubricants	Oil and grease, NLGI 2
Operating pressure	Max. 5 bar
Operating temperature	-20 °C up to +55 °C
Operating mode	Gas-driven
Protection class and ex-certification	IP68, ATEX and IECEx-certified

Customer

In 2010, Visayas Slaked Lime Corp. (VSLC) was established as a fully owned subsidiary of Japan's JFE Mineral Company, LTD. in the Philippines. VSLC's main business is the production and sale of slaked lime.

Why Schaeffler?

- Technical know-how
- Friendly and competent customer service

Why precisely this solution?

- Precise automatic lubrication
- Increased safety
- Easy handling
- Sustainable solution