



Perma[®] Lubricators

Lubrication of Motor-Operated Valves (MOV)

- Increased valve life
- Reduced downtime
- Provided uninterrupted service for six months

Application & Challenge

Motor-operated valves (MOV) are usually located throughout power generation facilities and in other harsh environments, such as chemical plants. The problem lies in the bottom bearings of the pumps requiring frequent greasing. If the valves are not serviced on a frequent basis, the pumps will lock up and not operate in their time of need. Frequent equipment failure due to the physical location of these valves is a major concern to customers.

LE Solution

Using Perma Star Vario single-point automatic lubricators has been shown to effectively solve this problem. The Perma units can be used on all grease fittings on the valves using standard zerk fittings and the units will then receive a constant six month supply of grease.



The Perma Star Vario units can be factory-filled with LE grease of your choice. Typical applications on MOVs in a power generation facility call for LE Almaplex[®] Ultra-Syn Lubricant (1299) because of the high temperatures or steam. LE Almaplex Industrial Lubricant (1275) is a great lubricant of choice for MOV applications not needing a high-temperature synthetic grease.



An MOV is shown with multiple grease points using Perma Star Vario 60cc units filled with LE's Almaplex Ultra-Syn Lubricant (1299).

Thank you to Chris Nowlen, LE lubrication consultant (pictured), for providing the information used in this report.





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Based on actual user experience. Individual results may vary. Not intended to supersede manufacturer specifications.

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LE operates under an ISO 9001 Certified Quality System.

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