



Monolec® R & O Compressor / Turbine Oil (6405)

Waste Management – Wayne, Mich.

Air Compressor

- *Eliminated oil emulsification*

Customer Profile

Waste Management is well-known throughout the world for their ingenuity in converting landfill gas into a valuable commodity. They are currently selling landfill gas to a major automotive manufacturer to supplement their energy requirements. They have been an LE customer since 1993.

Application

Waste Management uses two Allis Chalmers compressors, Model 11S, 150 hp and Model 27D, 300 hp. These compressors are used at the landfill gas pumping station, to inject oil into the landfill gas stream, and are very critical to the operation of the landfill.

Challenge

While trying several commercial grade products, Dave Wilson, gas plant manager, noticed that the compressors were experiencing a lot of sludging in the discharge of gas condensate, along with emulsification of the oil. Because of this, they had to shovel the condensate discharge (emulsification) into 55 gallon drums and ship it off for disposal.

LE Solution

The local LE lubrication consultant recommended Monolec® R & O Compressor / Turbine Oil (6405), which meets the demanding requirements of these reciprocating air compressors. The oxidation resistance of this oil is an important factor because of the extreme temperatures of compression. Special additives control deposits and give protection against wear, corrosion and rust. It is nonfoaming and contains Monolec®, LE's exclusive wear-reducing additive.

Results

After the initial fill of Monolec 6405, Dave Wilson saw an immediate improvement. Monolec 6405 did not emulsify and a significant change was noticed in the cleanliness of the interior parts of the compressors.

In an effort to continue cost reduction initiatives in 1994, Waste Management switched to another product to reduce operational costs. Almost immediately, they found signs of the oil emulsification returning and within six months, returned to Monolec 6405.

Thank you to Dave Wilson, gas plant manager, and to Matt Pressnell, 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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