MACHINERY MANUFACTURING
GLASS INDUSTRY
Castrol Viscogen® G
ANNUAL SAVINGS: $31,536

THE SITUATION

A major glass producer was experiencing large amounts of carbon and varnish build-up on glass machine chains and components. This resulted in scheduling overtime work. Facility had to schedule the change and rebuilding of the blow head assemblies three times per year. The machine exterior also required cleaning three times per year to remove build-up.

BEFORE

- Remove and reinstall blow heads: 24 hours x 4 persons @ $32/hr = $3,072 x 3 times/year = $9,216
- Rebuilding blow head assemblies: 200 hours x 1 person @ $30/hr = $6,000 x 3 times/year = $18,000
- Cleaning machine exterior: 12 hrs x 4 persons @ $30/hr = $1,440 x 3 times/year = $4,320

AFTER

- Glass machine has run one year on Castrol Viscogen G lubricant. No blow head change outs have occurred and no external cleanings have been necessary.
- Machine components show no signs of varnish.

THE SOLUTION

- Root Cause Analysis pointed toward excess carbon and varnish build up on chains and components due to high operating temperatures.
- Castrol technical sales representative worked with technical support and the customer to determine the primary cause of lubricant degradation.
- The recommendation was made to convert from the current synthetic oil to Castrol Viscogen G.
- Castrol utilized Best Practice Transfer from other customers running similar operations.

Past experience and expert knowledge of high temperature applications coupled with a Root Cause Analysis program yielded a customer beneficial solution.