

Drilling Platform BOP Winches

SH25 BRAKES

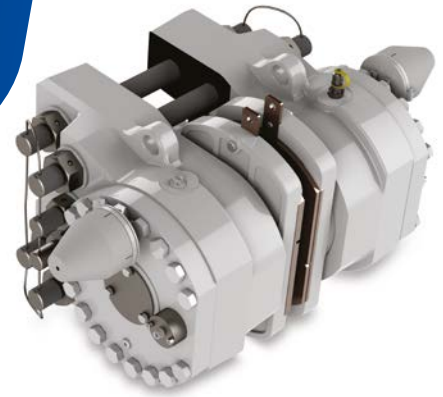
PROBLEM

A major global oil and gas OEM needed a caliper braking solution for blowout preventer (BOP) cranes installed on offshore drilling platforms. The cranes utilize specially-designed lift blocks to raise, lower and store the large, heavy BOP stacks that are comprised of a series of high-pressure valves. The crane's winch travels along the top of twin parallel beams.

Multiple caliper brakes act on a large diameter disc flange-mounted directly to the low speed side of the winch's cable drum. The brakes provide emergency stopping and holding of the load in the case of a power failure.

SOLUTION

Stromag supplied powerful Model SH25 hydraulic caliper disc brakes to meet the emergency, fail safe braking requirements. Each of the heavy-duty spring actuated, hydraulically-released brakes provide 250 kN of dynamic braking force. Units feature lining wear indicators and opening proving switches. All SH Series brakes are ATEX certified and have DNV, ABS and Lloyd's Register type approval certificates for oil and gas applications.



HIGHLIGHTS

- Model SH25 spring actuated, hydraulically-released caliper disc brakes
- Emergency, fail-safe braking functionality
- 250 kN of dynamic braking force
- Offshore protection
- Type approval certificate: DNV, ABS and Lloyd's Register
- ATEX certified



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