AGITATOR

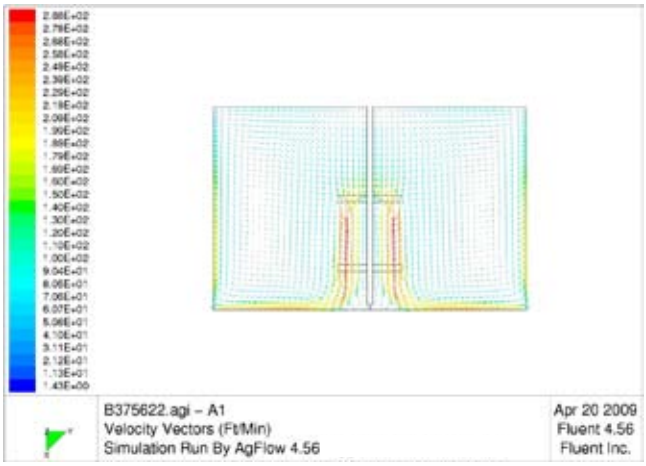
Scomi Oiltools offers a new comprehensive range of mud agitators for oilfield applications. These high efficiency, low horsepower (HELH) Scomi Oiltools agitators are specifically designed and engineered for mixing oilfield viscous fluids for deep tank applications in excess of 30 feet utilizing a single agitator.

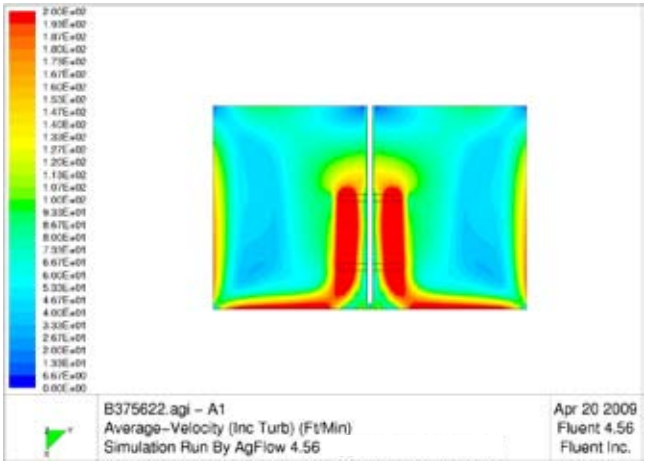
Standard oilfield agitators in the market is a commercial gear box used in many applications, which includes oilfield horizontal and vertical agitators. However, the Scomi Oiltools agitator is a mixer gear box designed to handle long overhung shaft loads.

Comparison between a commercial oilfield gear box agitator and Scomi Oiltools HELH mixer gear box agitator:

Description	Commercial Oilfield Gear Box Agitator	Scomi Oiltools HELH Mixer Gear Box Agitator
Total Units	56	20
Total HP	450	220
Total KW	336	164
Total Wt (lbs)	50,896	32,014

Benefits	• High HP and running costs
	• More agitators required to do the same task
	• High overall weight
	• Utilizes standard reduction drive not designed for agitation / mixer
	• Increased amount of shaft movement reducing efficiency and increasing maintenance costs through bearing failure, gear wear, seal leaks and reduced gearbox life
	• Increased installation costs due to increase in number of agitators
		• Lower HP requirement and running costs
		• High efficiency impeller design
		• Smaller footprint and reduced weight
		• Gear box specifically engineered for agitators
		• Internal weir / dam to eliminate risk of leaks into mud pits, if seal breaks
		• Structure of agitator engineered to reduce shaft movement, therefore improving efficiency, reducing maintenance costs and increasing gear box life
		• Lower installation costs due to less number of agitators:
		  • Less cable
		  • Reduced number of starters required
		  • Reduced number of electrical panels required
		  • Reduced space in MCC





SHAFT DESIGN

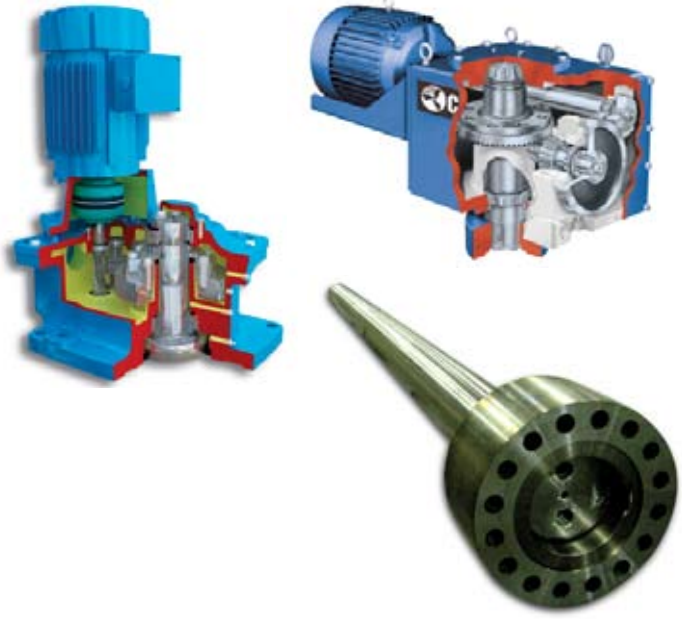
Shafting is straightened to tight tolerances for long seal life and smooth operation – less than 0.003 inches total run out per foot of shaft length (0.25 mm per meter).

TYPES OF SHAFTS

Shafting is supplied in a single piece design or in rigidly coupled sections for easy installation.

IMPELLER TECHNOLOGY

Impeller designs are the result of over five decades of research and applied application experience. The HE-3 impeller typically used in oilfield applications is fabricated from heavier material than normally used by other manufacturers; features an axial flow impeller; extremely efficient design for greater fluid motion at reduced energy consumption; and an ideal design of increased solids suspension.



Scomi

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