



Technical Specifications Bowen S3.5 Power Swivel Skid Mounted Full Rebuild & Commissioning December 2025



GENERAL

IR&E Asset ID Number:	0506-0-003-C	Unit serial number:	#998
Format:	Skid Mounted	Description:	Bowen Power Swivel
Rated capacity:	120T	Present Location:	UAE JAFZA
Manufacturer:	Bowen (NOV)	Model:	S 3.5 (PS 120)
Standard NOV Assembly Part	84550/018	Inspection and testing:	Full Re-Build Dec 2025
Height:	8.Ft (2.4384M)	Width:	7.Ft (2.1336M)
Length:	14.Ft (4.2672M)	Weight:	11,500 Lbs. (5216 kg)

PRIME MOVER

Engine:	Cummins 6BTAA5.9-C205	Operating Hours:	6 Hrs. (Current)
Emergency Kill Switch:	Engine & Control Panel	Engine Horsepower Continuous:	210 Bhp@ 2200 RPM
200 Liter SS Fuel Tank	c/w 60L	Recommended Engine Oil:	Mobil Delvac 1 ESP 5W-40
Peak Torque:	820 N·m @ 1400-1500 RPM	Recommended Gear Oil:	Mobilube™ HD Plus Gear Oil 80W-90
Maximum Circulating Pressure:	5,000 PSI	Compression Ratio:	17.3:1
Displacement:	5.9 Liters (L) Inline 6	Cooling:	Water Cooled
Bore & Stroke:	102 mm x 120 mm	Emission Standard:	NS III / EU Stage IIIA

HYDRAULIC

Hydraulic Oil Pump:	Sundstrand 25-2039 (Sauer Danfoss)	Hydraulic Oil Reservoir Capacity:	200 L
Recommended Hydraulic Oil:	MOBIL DTE 25	Displacement:	20-25 cc/rev (19-24 GPM)
Hydraulic Oil Cooler:	New Fitted	Maximum Displacement:	1.25 in ³ /rev@3600 RPM

SWIVEL

Quill:	4 5/8" ODX 19" long	Quill ID:	2 1/2"
Quill Connection:	3 1/2" IF Box Down		
Bore thru Stem :	2-1/2" ID	Elevator Bail Pipe Size:	3 1/2" & 4 1/2"
Bail Hook Clearance:	23-1/4"	Goose Neck connection:	3" -8 Line Pipe Thread
Maximum Torque:	6300 ft/lbs.	HP Hose Connection	1-1/4" x 120'
Max. RPM:	172	HP Hose Connection	1-1/4" x 120'
HP Hydraulic Hose	Quick Release	Case Drain Hose Size:	1" x 120'

