

**OLEC** which has passed ISO9001 Authentication, specializes to research, develop and manufacture the Mud Pump and its expendable parts and its technology & quality control are in line with API Spec 7K Standard.



Factory exterior



Full dieforming production line



Multifunctional Carburization



CNC Housing Machine



CNC Horizontal Lathe



**OLEC Engineering technology services**

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OLEC owns specialized and batched production modules liners valve and seats pistons, providing power end assembly, fluid end assembly and its spare parts, which are easily **compatible and interchangeable** with some of the most renowned mud pump brands worldwide.

Through our unique sales network and service image, our products have been exported to numerous countries and regions, including the United States, Mexico, Canada, British, German, Egypt, Nigeria, Russian, UAE etc.

**Spare Parts for Fluid End of Mud Pump:** Under normal working conditions (discharge pressure of drilling fluid less than 20 MPa, sand content less than 5%, no iron powder usage, working temperature below 100°C, and normal fluid supply conditions), the service life of the main expendable parts of our mud pumps is as follows:

No.	Name of the Main Expendable Parts		Hour of Service Life
1	Liner	Single Metal Liner	> 300
2		Double Metal Liner	> 1000
3		Zircon Liner	> 4000
4	Piston	Steel core	> 600
5		Rubber	> 200
6		Plate	> 1200
7		Snap Spring	> 600
8	Piston Rod Nut		> 1000
9		Valve Body	> 600
10		Valve Seat	> 600
11		Valve Nut	> 1800
12		Valve Insert	> 300
13		Valve Spring	> 600
14	Seal		> 300
15	Seal Washer		> 2000

It is possible to supply **Parts** according different requirement of working conditions, such as high temperature, cold temperature, high sand containing, oil base & acid base fluid etc.

#### Fumigation-free Package



Liner package



Module package



Small parts package



The valve seat and piston using vacuum packing extended antirust time when stored.



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