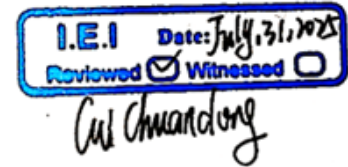


验收准则: DI003-ZJS14001/G

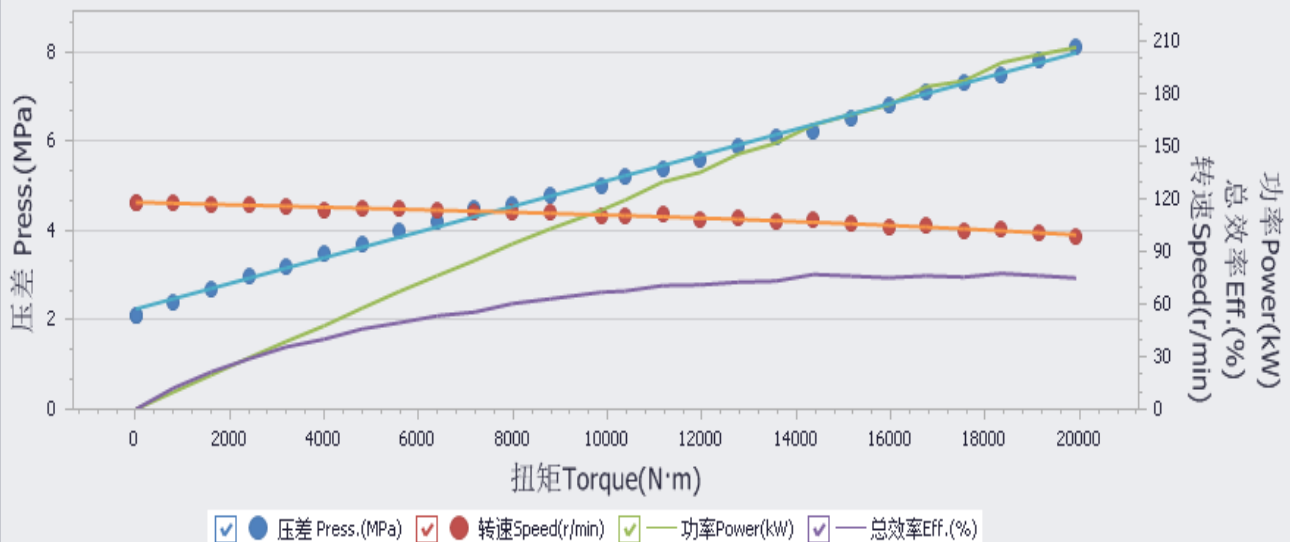
生产厂家(manufacturing plant):
操作人员(Operator of Testing):
钻具型号(Type of Drilling):
试验设备(Device of Testing):
试验日期(Testing Date):
定子号/尺寸(Stator No./Dim.):
转子号/尺寸(Rotor No./Dim.):
过盈量(Interference Fit):
排量(Flow):
启动排量/入口压力()
旁通阀关闭压力/排量():
旁通阀打开压力/排量():
备注(Remark):

德州联合石油科技股份有限公司
赵建辉
5LZ244×7.0 V-KW (730×730-438)
75DGSY
25.04.27
2412043
2503023
0.37
50

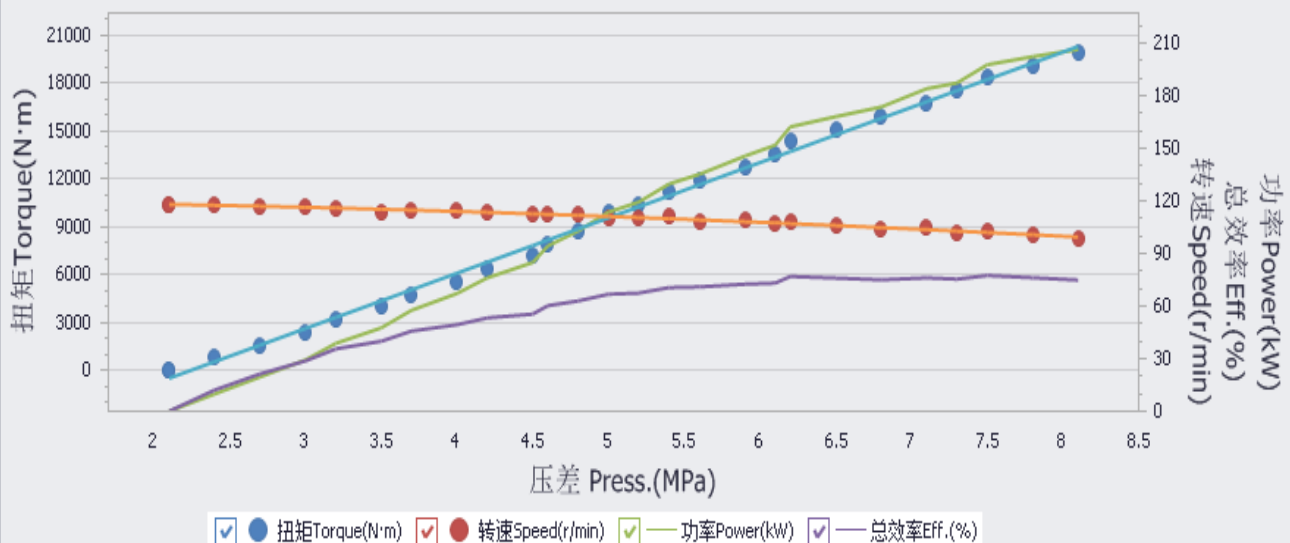


DT25030097

螺杆钻具的动力特性 Dynamic performance of DHM



螺杆钻具的动力特性 Dynamic performance of DHM



各种状态下的数据处理结果

A variety of state data processing results

	扭矩	效率	功率	转速	压差
	Torque	Eff.	Power	Speed	Press.
	N • m	%	KW	r/min	Mpa
空转状态no-load	10	0.17	0.12	118	2.1
效率最高MaxEff.	18341	77.57	197.81	103	7.5
功率最高MaxPower	19921	74.99	206.51	99	8.1
扭矩最高MaxTorque	19921	74.99	206.51	99	8.1

试 验 数 据

Testing Data

扭 矩	效 率	功 率	转 速	进口压力	出口压力	循环流量	温 度	壳体温度
Torque	Eff.	Power	Speed	Press.	Press.	Flowrate	Temp	ShellTemp
N • m	%	KW	r/min	Mpa	Mpa	L/s	℃	℃
10.00	0.17	0.12	118	2.1	0	34	16.4	36
807.00	12.22	9.97	118	2.4	0	34	16.4	36
1604.00	21.41	19.65	117	2.7	0	34	16.4	37
2401.00	28.84	29.42	117	3	0	34	16.4	37
3198.00	35.70	38.84	116	3.2	0	34	16.4	37
3995.00	40.07	47.69	114	3.5	0	34	16.4	37
4792.00	45.87	57.70	115	3.7	0	34	16.4	37
5589.00	49.49	67.30	115	4	0	34	16.4	37
6386.00	53.38	76.23	114	4.2	0	34	16.4	37
7183.00	55.55	84.99	113	4.5	0	34	16.4	37
7980.00	60.37	94.42	113	4.6	0	34	16.4	37
8777.00	63.07	102.93	112	4.8	0	34	16.4	37
9874.00	66.90	113.73	110	5	0	34	16.5	37
10371.00	67.57	119.46	110	5.2	0	34	16.5	38
11168.00	70.70	129.81	111	5.4	0	34	16.5	38
11965.00	71.07	135.31	108	5.6	0	34	16.5	38
12762.00	72.61	145.66	109	5.9	0	34	16.5	38
13559.00	73.25	151.92	107	6.1	0	34	16.5	38
14356.00	77.02	162.35	108	6.2	0	34	16.4	37
15153.00	76.10	168.19	106	6.5	0	34	16.4	37
15950.00	75.13	173.70	104	6.8	0	34	16.4	37
16747.00	76.28	184.13	105	7.1	0	34	16.4	37
17544.00	75.50	187.38	102	7.3	0	34	16.4	37
18341.00	77.57	197.81	103	7.5	0	34	16.4	37
19138.00	76.32	202.40	101	7.8	0	34	16.4	37
19921.00	74.99	206.51	99	8.1	0	34	16.4	37