



Durability Test						
Testing Load	Aim	Environment		Date		
		Temp °F (°C)	Humidity			
ACS System	Durability	73.4 (23)	70%	2023.05.11 - 2023.05.22		
Performance						
Pull (Lb)	Pressure (Mpa)	Line Speed ft/min (m/min)		Oil Flow g/min (L/min)		
0	6.0-6.5	7.9 - 9.2 (2.4-2.8)		6.6 (25)		
5000	9.0-9.5	7.2 - 8.5 (2.2-2.6)		6.6 (25)		
10000	11.0-12.0	7.2 - 8.5 (2.2-2.6)		6.6 (25)		
15000	13.0-14.0	6.6 - 7.9 (2.0-2.4)		6.6 (25)		
18000	16.5-17.5	6.6 - 7.9 (2.0-2.4)		6.6 (25)		
Intensive Test						
No.	Capacity	Pull Lb	Single Test ft (m)	Seconds	Accumulated Cycles	Accumulated Distance ft (m)
1	80%	14500	16.4 (5)	130	800	13 123 (4000)
2	100%	18000	16.4 (5)	130	200	3 280 (1000)
<b>Conclusion:</b>						
18RVSHY bottom tensile strength test accumulated 2170 minutes, the total test journey 5000m. There was no abnormal phenomenon in the test process. After the winch was disassembled and cleaned, besides the secondary planetary gear pin which appeared a little worn, all other parts did not see obvious wear, and it was judged to be qualified.						
<b>Photos after test:</b>						