



Durability Test				
Testing Load	Aim	Environment		Date
		Temp °F (°C)	Humidity	
ACS System	Durability	69.8 (21)	82%	2020.10.16 - 2020.10.30
Performance				
Pull (Lb)	Pressure (MPA)	Oil Flow G/Min (L/Min)	Line Speed ft/min (m/min)	
0	6.5-7	10.5 (40)	10.4 - 11.4 (3.2-3.5)	
21000	10-10.5	10.5 (40)	9.8 - 11.1 (3-3.4)	
24000	11.8-12.2	10.5 (40)	9.8 - 11.1 (3-3.4)	
28000	15.1-15.5	10.5 (40)	9.5 - 11.1 (2.9-3.4)	
33000	17.5-18.2	10.5 (40)	9.1 - 10.4 (2.8-3.2)	
Intensive Test				
Pull (Lb)	Capacity	Single Test Distance	Seconds	Comments
26400	80%	18' (5.5m)	115	After every 5 tests, stop for 30 minutes. Total 800 tests
33000	100%	18' (5.5m)	115	After every 5 tests, stop for 30 minutes. Total 200 tests
Totals		1000 Tests		18044ft (5500 metres)
Description:				
<ul style="list-style-type: none"> The test was conducted from 16 October 2020 to 30 October 2020 (15 days). The test is conducted at 80%-100% of the rated line pull of the winch. Due to heat build up in the motor, the intensive test time takes longer, and the test is carried out with a 30-minute rest after each. Other than replacing the test wire rope, there are no other abnormal phenomena noted during the test. After the test, each component is cleaned and inspected and no abnormal wear and tear found. 				
Conclusion				
During the winch test, there were no irregularities in sound, the braking performance was reliable, all parts were functioning normally, the casting plate was not deformed or broken, and the parts of the reducer were inspected and found intact. Winch test passed.				

*The images shown are for illustration purposes only and may not be an exact representation of the product.