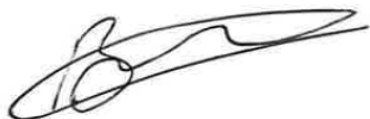


GEARBOX TYPE PERFORMANCE CERTIFICATE
HOS RANGE: IP68 sealing**IP68 TEST RECORD**

TEST NO	T2451	PASS / FAIL	Pass
GEARBOX SIZE	HOS3	TEST ENGINEER	B Preston
GEARBOX RATIO	2:1	DATE	28 th Feb 2017

PURPOSE OF TEST	To confirm that a HOS range gearbox to the latest standard build remains sealed while being submersed below 15 metres of water for over 72 hours.
SPECIAL REQUIREMENTS	The gearbox is to be placed inside a hyperbaric test chamber, which is then pressurised up to 1.5 Bar for at least 72 hours.
EQUIPMENT USED	IP68 Hyperbaric test rig TR169.
RESULTS OF TEST	No water ingress occurred during this test, the components inside the gearbox housing all remained dry with no signs of moisture.
CONCLUSION	This test verifies that the HOS range of gearboxes are sealed to IP68 rating.

Signed:

**Ben Preston EngTech MIMechE**
Development Engineering Supervisor - Rotork Gears24th May 2017