

ISO 5674:2024-12 (E)

Tractors and machinery for agriculture and forestry - Guards for power take-off (PTO) drive-shafts - Strength and wear tests and acceptance criteria

Contents

Page

Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 General test conditions.....	2
4.1 Guard.....	2
4.2 Other conditions.....	2
5 Test equipment.....	2
5.1 General.....	2
5.2 Test parameters.....	3
5.2.1 Measuring accuracy.....	3
5.2.2 Potable and salt water.....	3
5.2.3 Test dust.....	3
6 Tests.....	4
6.1 General.....	4
6.2 Wear test.....	4
6.3 Bearing corrosion test.....	4
6.4 Strength tests.....	4
6.4.1 Dynamic radial loading test at defined temperature limits.....	4
6.4.2 Test on guard component covering joints.....	5
6.4.3 Test on tubes.....	5
6.4.4 Dynamic swivel test.....	5
6.4.5 Static axial loading test at ambient temperature.....	8
6.4.6 Dynamic axial loading test of the bearings at ambient temperature.....	8
6.5 Tests at sub-zero temperature.....	8
6.5.1 Impact test at sub-zero temperatures.....	8
6.5.2 Static axial loading test at sub-zero temperatures.....	9
6.6 Restraining means test at ambient temperature.....	10
6.6.1 Conventional means of attachment.....	10
6.6.2 Other restraining means.....	10
7 Final acceptance criteria.....	11
8 Test report.....	12
Annex A (normative) Test schedule — Test sequence for cone and tube guards.....	13
Annex B (normative) UV test for plastic guards.....	17
Annex C (informative) Typical test report.....	18
Annex D (informative) Novel design guard and restraining systems tests.....	21
Bibliography.....	25