



INSPECTION AND RETIREMENT CRITERIA

VISUAL DAMAGE
New

ACTION REQUIRED
None

VISUAL DAMAGE
Light external abrasion: Furry look, result of normal use

ACTION REQUIRED
Continue use

VISUAL DAMAGE
Medium external abrasion

ACTION REQUIRED
Continue use

VISUAL DAMAGE
Heavy external abrasion

ACTION REQUIRED

1. Cut off sample with most severe damage for residual strength testing, rope may need replacement.
2. Shift the wear zone or end-for-end the rope if possible
3. Look for potential causes of severe wear and mitigate e.g. use wear pads, smoothen hardware surfaces

VISUAL DAMAGE
Pulled-out yarn

ACTION REQUIRED

1. Flex / loosen the rope
2. Push yarn back into the rope

VISUAL DAMAGE

Pulled-out strand



ACTION REQUIRED

1. Flex / loosen the rope
2. Push strand back into the rope

VISUAL DAMAGE

Cut strand



ACTION REQUIRED

Cut and reterminate rope

VISUAL DAMAGE

Cut Yarn



ACTION REQUIRED

Continue use

VISUAL DAMAGE

Rope unbalance: Unbalance between strands, loss of symmetry



ACTION REQUIRED

1. Look for local deformation such as pulled out strand, transverse pressure or twist.
2. Flex and loosen the rope and repair the symmetry
3. **If not possible, cut and reterminate the rope.**

VISUAL DAMAGE

Multiple cut yarns in same strand



ACTION REQUIRED

Cut and reterminate rope

VISUAL DAMAGE

Transverse pressure: Local deformation, glazed surface



ACTION REQUIRED

Cut and reterminate rope

VISUAL DAMAGE

Cut yarns in different strands



ACTION REQUIRED

Cut and reterminate rope

VISUAL DAMAGE

Burn damage: Dark coloration, melted spots



ACTION REQUIRED

Cut and reterminate rope