



Machine reference: \_\_\_\_\_ Location: \_\_\_\_\_ Application: \_\_\_\_\_ Record #: \_\_\_\_\_

**Rope details**

Installation date: \_\_\_\_\_ Removal date: \_\_\_\_\_ Brand: \_\_\_\_\_ Rope trade name: \_\_\_\_\_

Nominal Diameter: \_\_\_\_\_ (mm) (in) Construction: \_\_\_\_\_ Core type: \_\_\_\_\_ Wire finish: \_\_\_\_\_

Lay: \_\_\_\_\_ (sZ, zZ, zS, sS) Terminations: \_\_\_\_\_

Number traceable to production: \_\_\_\_\_ Service Life: \_\_\_\_\_ (cycles/hrs/days/etc.)

Rope Inspection standard (circle)<sup>2</sup>: **ASME B30.30**      *ISO 4309*      *API 2D*      *API 9B*      Other: \_\_\_\_\_

Reference diameter  $d_{ref}$ <sup>3</sup>: \_\_\_\_\_ Allowable decrease from  $d_{ref}$ : \_\_\_\_\_ Location reference point: \_\_\_\_\_ (e.g. drum end, live end termination, etc.)

Allowable wire breaks in 6d: \_\_\_\_\_ 30d: \_\_\_\_\_ 1 strand/lay: \_\_\_\_\_ All strands/lay: \_\_\_\_\_ Allowable valley breaks: \_\_\_\_\_ Allowable breaks at termination: \_\_\_\_\_

Location from reference point	Select <input type="radio"/>	Broken outer wires								Diameter			Corrosion	Distortion / Damage		Rope Combined Severity
		Number In/At			Location		Severity			Measured	Reduction	Severity <sup>1</sup>	Severity <sup>1</sup>	Distortion / Damage		
		1 Str per Lay	All Str per Lay	Termin.	1 Str per Lay	All Str per Lay	1 Str per Lay	All Str per Lay	Termin.					Type	Severity <sup>1</sup>	
<input type="radio"/>	6d	30d	Termin.	6d	30d	6d	30d	Termin.								
Comments / Observations									Print name of competent person			Signature of competent person			Inspection date	

**Terminations Condition**

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**Sheaves Condition**

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**Drum Condition**

**Note 1** - Severity ratings: slight-20%, medium-40%, high-60%, very high-80%, discard-100%

**Note 2** - The grooving of the sheaves and drums should be inspected in accordance with the applicable standard at each wire rope inspection.

**Note 3** -  $d_{ref}$ : Reference diameter, measured diameter from a section of rope that has not been subjected to significant bending, wear, or other sources of cross-sectional deformation or degradation, taken after break-in