



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

**Rope details**

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

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

Lay: \_\_\_\_\_ (sZ, zZ, zS, sS) Terminations: \_\_\_\_\_ Rope duty: \_\_\_\_\_ Class or RCN<sup>1</sup>: \_\_\_\_\_

Number traceable to production: \_\_\_\_\_ Ave. service life of previous ropes: \_\_\_\_\_

Rope Inspection standard (circle)<sup>3</sup>: ASME B30.30 ISO 4309 API 2D API 9B Other: \_\_\_\_\_

Reference diameter  $d_{ref}$ <sup>4</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: \_\_\_\_\_

Inspection Date (yy/mm/dd)	Service Life e.g. cycles, hrs	Select <input type="radio"/>	Broken outer wires							Diameter				Corrosion		Distortion / Damage			Competent person:		
			Number In/At			Location		Severity		Measured	Reduction	Location	Severity?	Location	Severity?	Location	Type	Severity?	Combined severity	Initials	Signature
			1 Str per Lay	All Str per Lay	Termination	1 Str per Lay	All Str per Lay	1 Str per Lay	All Str per Lay												
		<input type="radio"/>	6d	30d	Termination	6d	30d	6d	30d	Termination											
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Comments/Observations

**Note 1** - RCN: Rope Category Number from ISO 4309 / ISO 17893  
**Note 2** - Severity ratings: slight-20%, medium-40%, high-60%, very high-80%, discard-100%  
**Note 3** - The grooving of the sheaves and drums should be inspected in accordance with the applicable standard at each wire rope inspection.  
**Note 4** -  $d_{ref}$ : 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