WIRE ROPE FIELD INSPECTIONS RUNNING RECORD

8700 State Line Road
Leawood, KS 66206
T: +1 (816) 270-4700
www.wireco.com

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[1]:** _____

Number traceable to production: _____ **Ave. service life of previous ropes:** _____

Rope Inspection standard (circle)[3]: ***ASME B30.30*** ***ISO 4309*** ***API 2D*** ***API 9B*** ***Other:*** _____

Reference diameter d_{ref}[4]: _____ **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:** _____

		Select	Broken outer wires								Diameter				Corrosion		Distortion / Damage			Combined severity	Competent person:	
			Number In/At			Location		Severity														
Inspection Date	Service Life		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	Termination	Measured	Reduction	Location	Severity[2]	Location	Severity[2]	Location	Type	Severity[2]		Initials	Signature
(yy/mm/dd)	e.g. cycles, hrs		6d	30d	Termination	6d	30d	6d	30d	Termination												

UNCONTROLLED WHEN PRINTED

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

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