WIRE ROPE FIELD SINGLE INSPECTION RECORD

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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)[2]: *ASME B30.30* *ISO 4309* *API 2D* *API 9B* ***Other:*** _____

Reference diameter d_{ref}[3]: _____ **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		
		Number In/At			Location		Severity									
Location from reference point		*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.*	*Measured*	*Reduction*	*Severity[1]*	*Severity[1]*	*Type*	*Severity[1]*	Rope Combined Severity
		6d	*30d*	*Termin.*	*6d*	*30d*	*6d*	*30d*	*Termin.*							

Comments / Observations | **Print name of competent person** | **Signature of competent person** | **Inspection date**

Terminations Condition

Sheaves Condition

Drum Condition

UNCONTROLLED WHEN PRINTED

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

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