### **Newsletter-36**

## **Essential Documents for Site Services**

#### To be positively circulated among the following personnel

#### 1. Project personnel

#### 2.Plant maintenance department heads

### 3. Engineering department

PHSPL gets a number of requests from various clients to carry out inspection of hangers and supports, to assess whether the hangers are functioning properly. Many of these plants are very old and hence even basic documentation regarding the supports are not available. Hence we thought it prudent to provide some guidelines regarding the documentation and other aspects related to hangers and supports for plant owners. Adhering to these guidelines would make the job of assessment of hangers and supports easy and more meaningful.

- 1. Preserve the documentation such as hanger GA drawings and erection manuals provided by the hanger supplier during initial supply for the entire life of the plant. This would be very useful in not only assessing the performance of the hangers, but also for reordering, in case they are to be replaced.
- 2. It is also essential to retain a copy of the isometric drawing of the piping system showing the location of the hangers. This is useful in checking whether the hanger tags have been erected in the correct location without any mix up
- 3. Please record the details of the hangers and supports in a hanger record sheet after the initial installation and also after every shut down. The suggested format of the record sheet is given in Figure 3 of MSS SP58. These are also to be preserved for the entire life of the plant.
- 4. The name plates of the spring hangers contain important information regarding the spring size and the supported load. It should be ensured that the name plates are not painted over, by mistake.

								HAI	NGER RECO	RD SHE	ET									
													PREPARED BY							
COMPANY						SYSTEM							SHEET		OF					
LOCATION						PLANT NAME							DATE							
HANGER TAG NO.	N.S.E.W (A)	HANGER DATA				CONSTANT SUPPORT HANGER NAME PLATE DATA						ELEVATION	HANGER SCALE READING (D)							
		TYPE					TOTAL	FACTORY	POSITION (D)	LOAD		INITIAL	DATE							
		(C)	SIZE	FIG NO.	MFR	CALIB LOAD	TRAVEL	н	С	н	С	COLD (E)	ВҮ							
								П		"			COND (H,C)							
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#### Notes:

(A) To identify the specific unit within a multiple support assembly. Where N= North, S = South, E = East, W= West

(C) For rigid, spring (variable or constant), anchor, guide, sliding, or other attachment, indicate by letter R, VS or CS, A, G, OR S, respectively and the constant of the

(D)0 indicates highest scale position with 5 being mid-point and 10 being lowest scale position

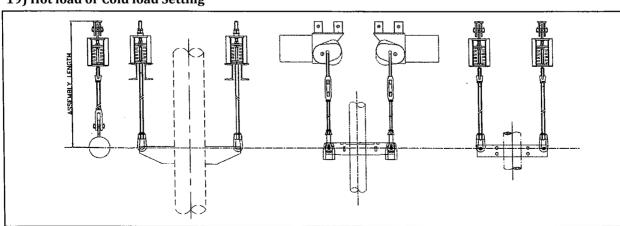
(E) Elevation of centreline of pipe, or other reference point, after cold springing anf final settings with line cold

<sup>(</sup>B) Hanger size to be taken from the name plate

# Pipe Hangers & Supports Private Limited

## Information Regd by Pipe Support Manufacturer

1) Hot Load (Operating Load) in Kgs	:
2) Thermal Movement / Travel (Direction + or -) in mm	: UP (+) mm
3) Type of Hanger Variable / Constant /Rigid	: VariableEffort Support
4) For Constant Add Over Travel	:□ Yes □ No
5) For Variable Springs Max Allowable % Load Variation	: %
6) Horizontal / Lateral Movement (If any)	: 'X' Dir mm + 'Z' Dir mm
7) Hydro Load ( If any)	: Kgs
8) Model & Type of Support	:
9) Assembly Length (From BOS/TOS to Pipe CL)	: mm
10) Operating Temperature	: Deg C
11) Pipe Insulation Thk	: mm
12) Pipe Material	:
13) Require Pipe Shoe for Foot Mounted Support	:□ Yes □ No
14) For Foot Mounted Support Match Height	:□ Yes □ No
15) Attachments like Lugs, Cleats Welded to Pipe in Scope	:□ Yes □ No
<ol> <li>Operating Load includes Wt of Accessories like Clamp, Tie Rods, Cleats, Lugs etc.</li> </ol>	:□ Yes □ No
17) Preferred Surface Protection / Painting	:
18) For 'G' Type /Double / Trapeze type Hanger the Load Given above is for 1 assembly consisting of 2 Hangers / Individual Hanger	: ☐ Yes ☐ No
19) Hot load or Cold load Setting	



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A Global Solution to Spring Hangers and Supports

We are the leading manufacturer of spring hangers, supports & accessories. Over the past 40 years we have supplied to major power plants, refineries, nuclear installations & process industries in India & several International projects.