

**OIL FIELD HOSES FOR HIGH PRESSURE MUD APPLICATION**

1. **SCOPE:** This standard specifies the oil field hoses used in high pressure mud piping and suction line assembly of oil rigs working in coastal areas/desert areas.
2. **APPLICATION:** The hoses supplied will be suitable to handle the water-based mud consisting of barite, Bentonites, water, diesel and certain other chemicals etc., of specific gravity 1.6 to 2.4 viscosities 60 to 80 Centipoises. Temp. Ranges from 0 C to 55 C. and to withstand severe conditions of suction and pump vibrations.

**3. TECHNICAL REQUIREMENTS:**

**A) Suction Hose:**

- i) Application: Used as a flexible connection between Suction Tank and Mud Pump suction.
- ii) Construction:
  - a) Cover: Suitable Synthetic rubber for protection against oil abrasion and weathering.
  - b) Reinforcement: Heavy, galvanized round wire reinforcement embedded in rubber compound and heavy plies of fabric to prevent collapse, afford flexibility, absorb pump vibration, pulsating pressures and provides unobstructed flow.
  - c) Tube: Synthetic tube to resist oil and cutting action of sand and gravel.
  - d) End Connection: As per variant table

**B) Vibratory and Rotary Hoses:**

- i) General requirement:  
The manufacturer shall be API approved and product should bear API monogram as per 7K, latest addition. Hoses supplied shall be FSL-1 and as per applicable API grade.
- ii) Application:  
Vibratory hose used as a flexible connection between Mud pump and high pressure manifold and Rotary hose used as a flexible connection between standpipe gooseneck and swivel for pumping mud at high pressure.

Ref. Doc	<b>Revisions :</b>  <b>Refer to record of revisions :</b>	<b>Prepared :</b>  <b>K.S.RAO</b>	<b>Approved :</b>  <b>R.V.RAO</b>	<b>Date :</b>  <b>12.03.91</b>
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# PRODUCT STANDARD OIL FIELD EQUIPMENT HYDERABAD

OE 53482

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ii) Construction:

- a) Cover: Suitable synthetic rubber to resist abrasion, corrosion, cutting, gouging oil and weathering.
- b) Reinforcement: Heavy plies of closely spaced high tensile steel wire throughout the entire length of the hose cushioned between synthetic rubber layers.
- c) Tube: Oil resistant synthetic rubber for handling abrasive corrosive and oily drilling mud.
- d) End Connection: As per variant table

5. INDENTING: The description bore size overall length, end connections. Working and test pressures, product standard and var. no. must be clearly mentioned in indent.

Eg. Suction Hose, 6" ID, 6" Long. Plain ends. 225-PSI WP, 338-PSI TP. OE53482-03

6. TEST AND GUARANTEE:

- 6.1 Manufacturer's Test certificates and guarantees certificate for a trouble free operation for a period of 12 months from the date of commissioning or 18 months from the date of receipt pf goods at our end whichever is earlier.
- 6.2 Hose to be pressure tested as per variant table to be witnessed by TPI. TPI witness report for pressure testing shall be submitted along with the supply.

7. PACKING: Hoses should be properly packed for avoiding damage during transit and storage. Threading should be properly protected. No folds are permitted.

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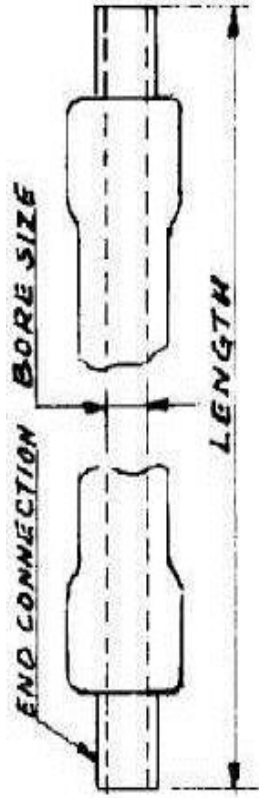


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VAR. NO.	DESCRIPTION	BORE SIZE	LENGTH	END CONNECTION	W.P. PSI	T.P. PSI	WEIGHT (KGS)	MATL. CODE NO.
01	SUCTION HOSE	10" ID	6 FT	10 3/4" OD PLAIN.	225	338	152	OE9853482010
02	VIBRATORY HOSE	3 1/2" ID	12 FT	4" API MALE THD.	5000	7500	224	OE9853482029
03	SUCTION HOSE	6" ID	6 FT	6 5/8" OD PLAIN.	225	338	42	OE9853482037
04	ROTARY HOSE	3 1/2" ID	65 FT	4" API MALE THD.	5000	7500	817	OE9753482045
05	VIBRATORY HOSE	4" ID	12 FT	4" API MALE THD.	5000	7500	242	OE9853482053
06	ROTARY HOSE	3 1/2" ID	55 FT	4" API MALE THD.	5000	7500	661	OE9853482061
07	VIBRATORY HOSE	4" ID	30 FT	4" API MALE THD	5000	7500	375	OE9753482078
08	ROTARY HOSE	3 1/2" ID	75 FT	4" API MALE THD.	5000	7500	940	OE9753482086
09	ROTARY HOSE	2" ID	47 FT	2" API MALE THD.	5000	7500	550	OE9753482094
10	VIBRATORY HOSE	3 1/2" ID	12 FT	5", 1502 INTEGRAL HAMMER UNION (END A-MALE, END B-FEMALE)	7500	12500	224	OE9853482108
11	VIBRATORY HOSE	3 1/2" ID	20 FT	5", 1502 INTEGRAL HAMMER UNION (END A-MALE, END B-FEMALE)	7500	11250	375	OE9753482116



