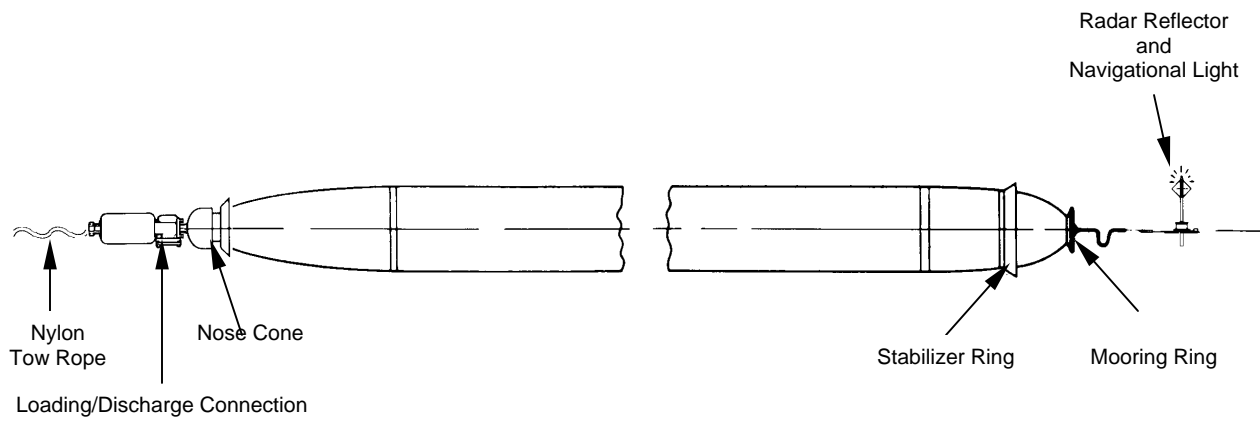


S0300-BV-CAT-020

290K-GALLON OIL STORAGE BLADDER P14200



290k-Gallon Oil Storage Bladder P14200

OIL STORAGE BLADDER, 290K-GALLON

SYSTEM NUMBER P14200

SYSTEM DESCRIPTION

The Oil Storage Bladder System P14200 consists of a 290,000-gallon capacity towable rubber storage bladder, a bladder repair kit, an electric blower, a marker buoy, and ancillaries to connect and operate the system. The bladder is designed to carry petroleum products and other liquids that are lighter in weight than water. At the spill site, the bladder can be used to hold oil discharged directly from the smaller 26,000- and 50,000-gallon oil recovery bladders used with the Rapid Deployment Skimmer System (RDSS).

SYSTEM COMPONENTS

| <u>Item</u> | <u>ESSM Number</u> | <u>Qty</u> |
|--------------------------------------------------------|--------------------|------------|
| 1. Blower, Electric, Portable | BL0403 | 1 |
| 2. Buoy, Marker, Dracone | BU0023 | 1 |
| 3. Repair Kit, Bladder | OB0801 | 1 |
| 4. Bladder, Oil Storage, 290k-Gallon, Type "O", Rubber | OB0830 | 1 |



Portable Electric Blower BL0403

BLOWER, ELECTRIC, PORTABLE

ESSM NUMBER BL0403

DESCRIPTION

The Portable Electric Blower BL0403 consists of a 120-volt, 60-cycle motor and squirrel cage-type blower. The blower is used to inflate the empty Dracone to permit entry during inspection and repair. This blower will inflate an "L" type barge in approximately 60 minutes. A collapsible polyester duct or spiral tube duct can be attached to the blower outlet for normal pressure operations.

SPECIFICATIONS

| | |
|--------------|----------|
| Manufacturer | Homelite |
| Model | 200 EB-1 |
| Voltage | 120/240 |
| Cycles | 60 |
| Phase | Single |

PHYSICAL CHARACTERISTICS

| | |
|--------|-------------|
| Length | 2 ft, 0 in. |
| Width | 1 ft, 4 in. |
| Height | 1 ft, 5 in. |
| Cube | 4 cu ft |
| Weight | 66 lb |

REFERENCES

None



Dracone Marker Buoy BU0023

BUOY, MARKER, DRACONE

ESSM NUMBER BU0023

DESCRIPTION

The Dracone Marker Buoy BU0023 consists of a 40-inch diameter styrofoam base for flotation. Extending 22 inches above the base is a 12-inch diameter column, which houses a 6-volt battery and a steady-burn white light with lens. The light's on/off function is controlled automatically by a photocell. The Marker Buoy is to be exhibited at or near the aftermost part of the Dracone being towed or moored.

SPECIFICATIONS

Manufacturer Curd Enterprises

PHYSICAL CHARACTERISTICS

| | |
|----------|-------------|
| Height | 4 ft, 2 in. |
| Diameter | 3 ft, 4 in. |
| Cube | 47.5 cu ft |
| Weight | 92 lb |

REFERENCES

None



Bladder Repair Kit OB0801

REPAIR KIT, BLADDER

ESSM NUMBER OB0801

DESCRIPTION

The Bladder Repair Kit OB0801 consists of various tools, a patching kit with patching procedures, a white marker light, two 6-volt batteries and bulbs, MSDSs, and a laminated inventory. The Repair Kit is designed to maintain the oil storage bladder during an operational deployment.

SPECIFICATIONS

Manufacturer ESSM Facility

PHYSICAL CHARACTERISTICS

| | |
|--------|-------------|
| Length | 1 ft, 8 in. |
| Width | 10 in. |
| Height | 1 ft, 1 in. |
| Cube | 2 cu ft |
| Weight | 34 lb |

REFERENCES

None



Oil Storage Bladder OB0830

BLADDER, OIL STORAGE, 290K-GALLON, TYPE O**ESSM NUMBER OB0830**

DESCRIPTION

The Oil Storage Bladder OB0830 is a flexible tube designed to carry petroleum products and other liquids that are lighter in weight than water. The storage bladder skin is made of nylon cord and a woven nylon fabric with weatherproof and abrasive-resistant synthetic rubber. The bladder is towed behind a skimming vessel by a 6-inch towline. A 4-inch or 6-inch loading and discharge hose is attached to the towline for filling and discharging skimmed oil to and from the bladder. The bladder is shipped on an aluminum shipping pallet.

SPECIFICATIONS

| | |
|----------------------------------------------------|---------------------------------------|
| Manufacturer | Dunlop General |
| Model | Dracone barge, Type O |
| Shell material | |
| Outer proofing | Neoprene |
| Skin | Nylon cord and woven nylon fabric |
| Inner proofing | Nitrile rubber for petroleum products |
| Buoyancy system | Two internal inflatable tubes |
| Towing hose bore | 4 in. and 6 in. |
| Max towing speed | 6 knots |
| Horsepower absorbed by barge at various speeds: | 52 hp @ 4 knots 168 hp @ 6 knots |
| Nose strength | 30-ton pull |
| Formula for equivalent drag horsepower | (Drag lb x speed fps)/550 |

PHYSICAL CHARACTERISTICS

| <u>Shipping</u> | | <u>Operating</u> | |
|-----------------|--------------|------------------|---------------|
| Length | 24 ft, 8 in. | Length | 300 ft, 0 in. |
| Width | 8 ft, 0 in. | Diameter | 13 ft, 10 in. |
| Height | 7 ft, 3 in. | Volume | 45,352 cu ft |
| Cube | 1402 cu ft | Weight (empty) | 14,300 lb |
| Weight | 23,650 lb | | |

REFERENCES

1. The Dracone Barge Operating Manual, Issue 3.