



Other Delivery Content, Tec 40-3

Study assignment: Tec 40 Handout 3

Learning Objectives

By the end of this section, you should be able to answer these questions:

1. What is the maximum oxygen blend you would use as the bottom gas for a dive to 40 metres/130 feet?
2. What is the maximum percentage of oxygen you will use as a Tec 40 diver?

- H. As a Tec 40 diver, your maximum allowable depth is 40 metres/130 feet.
1. Using the maximum depth tables on pages 266 and 267, you find that EANx28 is the highest oxygen content gas blend you can use at 40 metres/130 feet ($PO_2 = 1.4$ ata/bar).
 2. You may use blends with more oxygen, but at increasingly shallower maximum depths.
 3. With blends that have 36 percent or more oxygen, your maximum depth is so shallow and your no decompression time is so long that you probably won't have to make decompression dives at all.
- I. The maximum oxygen percentage you're qualified to use as a Tec 40 diver is 50 percent (EANx50). You will normally use this as a decompression gas (you can use it as a bottom gas, but the maximum depth is 18 metres/59 feet – you will probably not need to decompress on such a dive).
1. The maximum depth for using EANx50 as a decompression gas ($PO_2 = 1.6$) is 21m/70 ft (See the Equivalent Air Depth and Oxygen Management Tables for 50% on pgs 274 & 288)



2. You may be carrying EANx50 (or other deco gas) to a depth deeper than you can safely breathe it. **It is critical to follow all gas handling procedures to avoid accidentally switching to it at too deep a depth.** You will learn and practice these procedures beginning with Tec 40 Training Dive One.

Exercise, Other Delivery Content, Tec 40-3

1. The maximum oxygen enriched air you would use as bottom gas for a dive to 40 metres/130 feet is

- a. EANx28.
- b. EANx32.
- c. EANx36.
- d. EANx50.

2. The maximum oxygen content enriched air that you're qualified to use as a Tec 40 diver is

- a. EANx28.
- b. EANx32.
- c. EANx36.
- d. EANx50.

How did you do?

1. a. 2. d.