

CP460-4023 Pump Installation

2. Fields of application

The fields of application of these pump types correspond to the specifications in the assembly instructions Giant Pumps.

3. Ambient conditions

Ambient temperature: $41\text{ }^{\circ}\text{F} < T_{\text{Amb.}} < 86\text{ }^{\circ}\text{F}$
Ambient temperature: $5\text{ }^{\circ}\text{C} < T_{\text{Amb.}} < 30\text{ }^{\circ}\text{C}$

4. Oil filling

- Filling quantity: **30.4 fl. oz. (0.9 l)**
- Quality: Synthetic motor oil **SAE 0W-40 (Giant's p/n 01157)**
- Intervals: first oil change after **50 operating hours** then every **500 operating hours**, but at the latest after **12 months**



The crankcase must be filled with synthetic motor oil of the class SAE 0 W 40 when pumping CO₂ under 0 °C

5. Installation/ Putting into Operation

5.1 To Turn Drive Shaft to the Other Side

If it should be on the other side, the valve casing (26) and seal casing (20A) have to be removed, turned 180° round and then put on again.

Also turn seal adaptors (20) 180° round so that the leakage holes are underneath.

Oil dipstick (2) and oil drain plug (5B) have to be interchanged and the crankcase cover turned 180°.

5.2 Direction of pump rotation

When looking at crankshaft with valve casing mounted on left-hand side, counterclockwise direction of rotation.

When looking at crankshaft with valve casing mounted on right-hand side, clockwise direction of rotation.

5.3 Suction line filter

Recommended mesh size 150 µm.

5.3 Supplementary notes



Valve housing (26) and seal housing (20A) are provided with G1/8 (IG/f) cooling connections.

For cooling water with temperatures below 46.4 °F (8°C), antifreeze of 0.8 to 1.3 GPM (3 to 5 l/min) must be added to the cooling flow.

6. Operation

For information, see assembly instructions Giant Pumps.