

Oil cooler

Improved cooling capacity increases crane service life

Technical information CM-114



MacGregor's new oil cooler can deliver cooling capacity increases of up to 80 percent in comparison to systems that have been in operation for ten years or more. They ensure that hydraulic oil systems maintain peak operational performance and reliability by minimising damage and machine failure caused by overheating and corrosion.

If an oil cooler has been in operation for a number of years, it is likely to have lost considerable cooling capacity as a result of corrosion or bad contact between oil pipes and cooling flanges, which are susceptible to clogging from dirt and salt corrosion residues. This means that instead of conducting heat, the cooler starts to function as an isolator.

The price of a complete new cooler unit is in most cases lower than the existing cooler element. A separate cooling element or an electric motor can be delivered as spares later if required.

Benefits

- An 80 percent improvement in cooling capacity
- A 50 percent increase in the lifetime of hydraulic equipment including pumps and motors
- Reduced wear on hydraulic components
- Easier and cheaper to service and maintain
- Standard cooler available from stock
- Lighter than previous model

At your service



MACGREGOR

Designed to perform with the sea

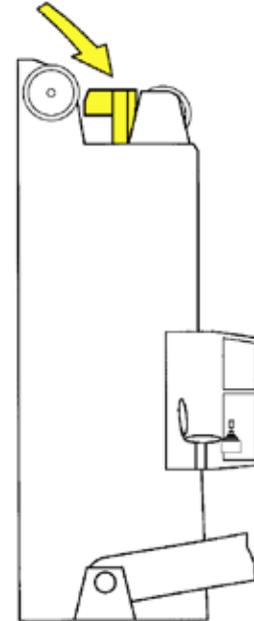
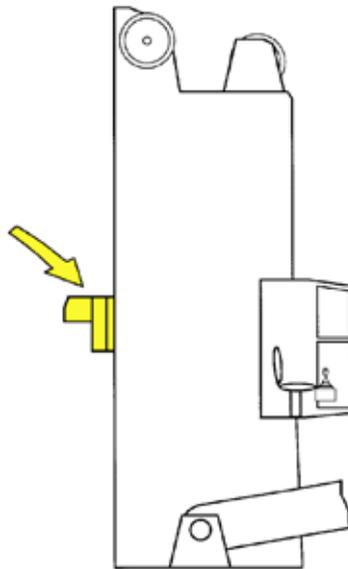
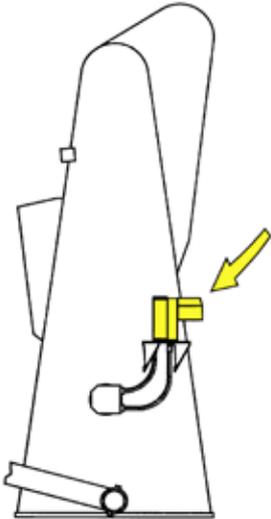
Technical data

Standard capacity:	1000W/°C at 150l/min
Heavy-duty capacity:	1400 W/°C at 250l/min
Pressure drop: approximately	1 - 2 bar
Electric motor:	380/440V; 50/60Hz
Power consumption:	1.5kW
Electric motor heater:	15W; 220V
Weight:	approximately 50kg

Intended crane types

The MacGregor oil cooler solution is intended for crane types G and L. However, it is suitable for all cranes that do not currently have a cooler mounted on top of the crane housing.

Installation of new cooler



Ordering information

Because each cooler can be adapted to a specific crane, part numbers can vary. Typical cooling units include:

Standard 289 2405-801	Oil cooler, type PRT-67
Heavy-duty 289 6815-801	Oil cooler, type PRT-69
Heavy-duty 1198527	Oil cooler, type CCAC

Installation requirements

Personnel required:	an engineer (10 hours)
Fitter assistance:	10 to 12 hours
Tools required:	standard hand tools and welding equipment for brackets

Old cooler - After 14 years of operation



MacGregor solutions and services for handling marine cargoes, vessel operations, offshore loads, crude/LNG transfer and offshore mooring are all *designed to perform with the sea*.

MacGregor is part of Cargotec (Nasdaq Helsinki: CGCBV).

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