



EBARA GEARED VARIABLE SPEED FLUID COUPLING (MODEL GCH-A)



Looking ahead,
going beyond expectations

Ahead  *Beyond*

Mar. 2019
5121-H93211 rev1

EBARA CORPORATION

Table of Contents

- 1. Characteristics of Ebara Fluid Coupling Model GCH-A**
- 2. Sectional View**
- 3. Oil Circuit Diagram**
- 4. Typical Applications**
- 5. Selection Chart**

1. Characteristics of Ebara Fluid Coupling

Model GCH-A



(1) Impeller, Runner

Employing the high quality forged alloy steel and high accuracy machining for the high reliability.

(2) Hydraulic Servo

Employing the hydraulic servo to the scoop tube actuating mechanism for the exacting and quick speed control.

(3) Oil Pump Drive

A single structure was obtained by connecting the drive of the working oil pump and lube oil pump directly to the input shaft.

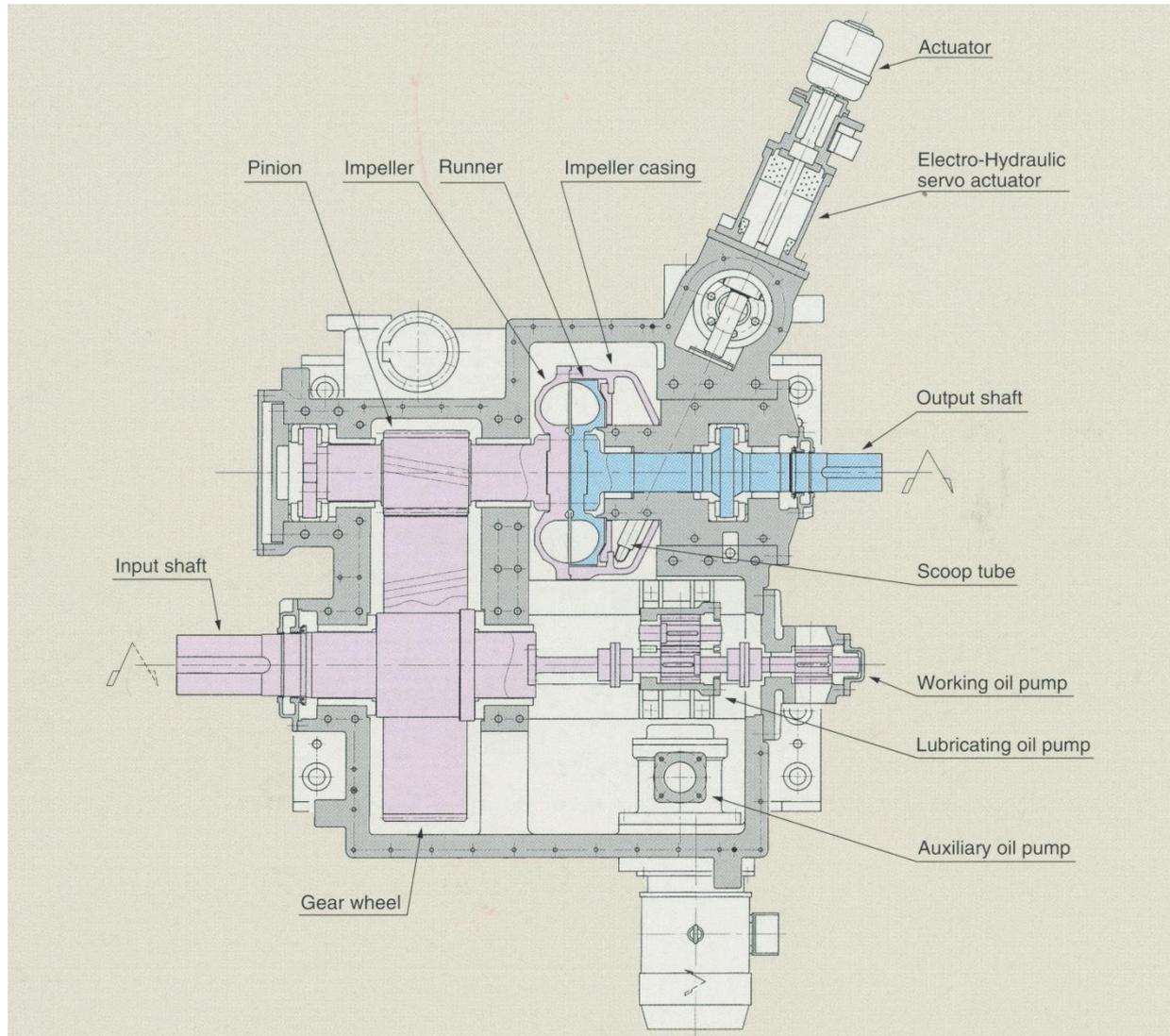
(4) Oil Pumps

The gear type pump is employed for the lube and working oil pump to enable stable lube & working oil supply.

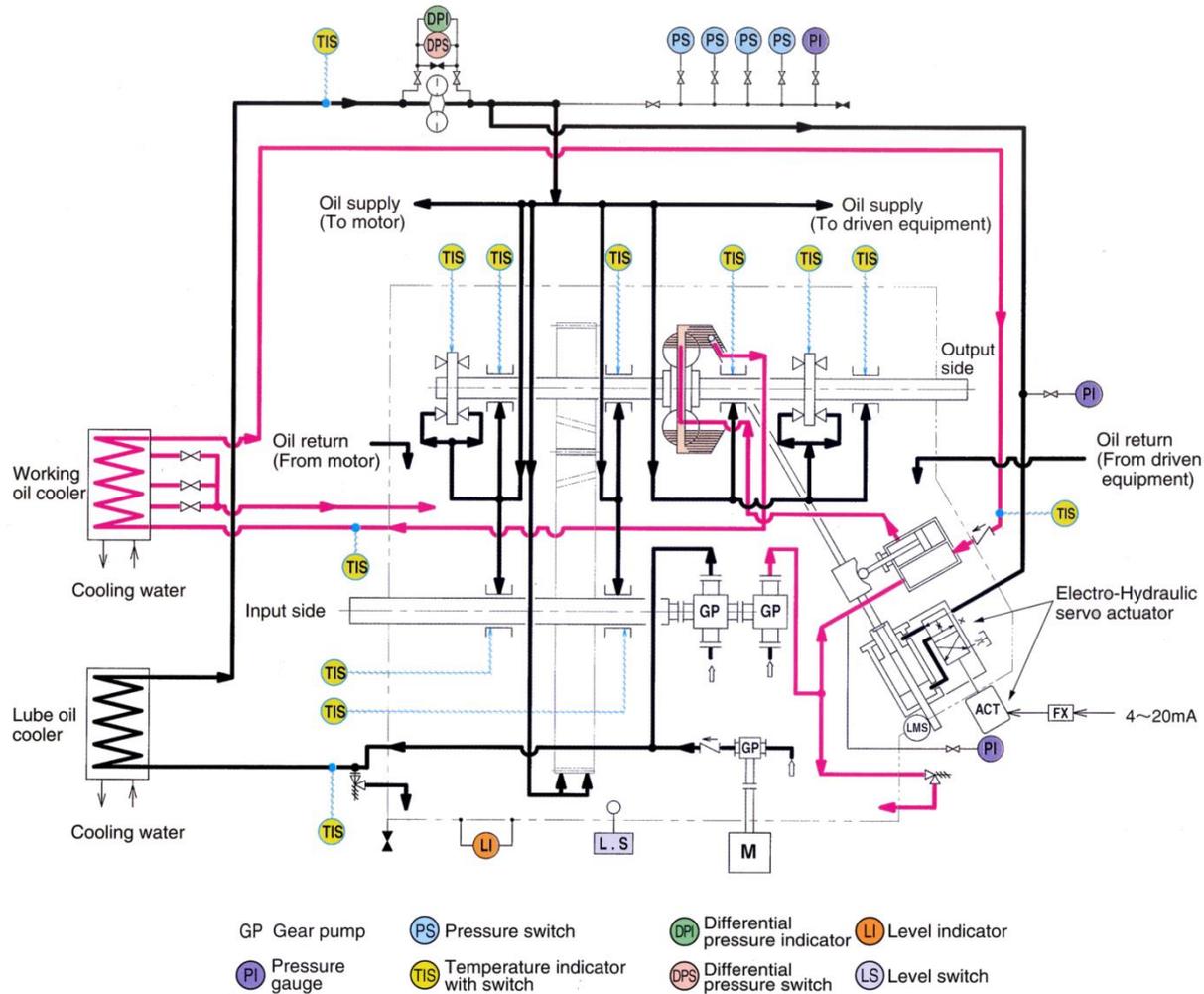
(5) Simple structure and easy maintenance

It is possible to disassemble and assemble without specialized tools.

2. Sectional View



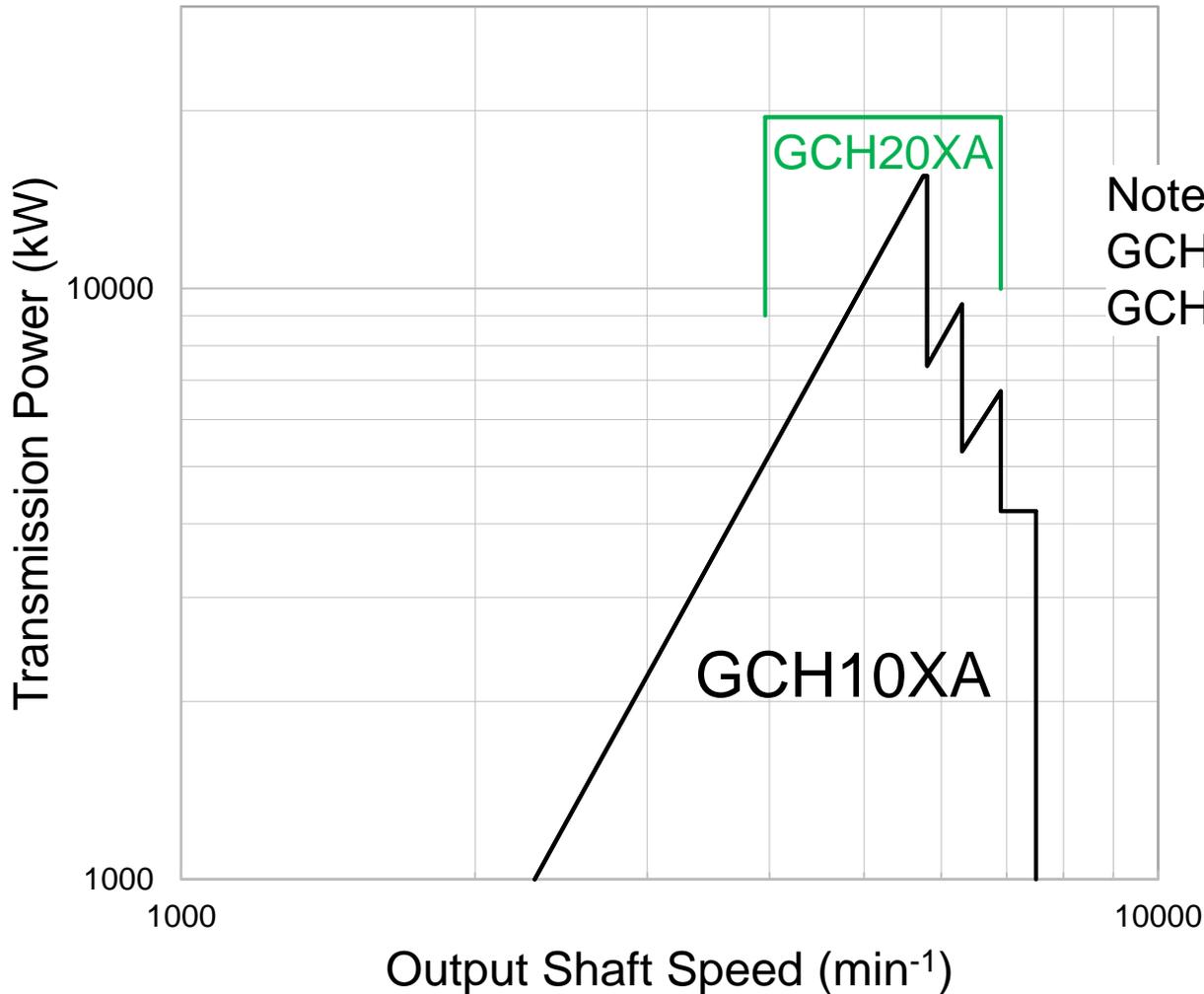
3. Oil Circuit Diagram



4. Typical Applications (Model GCH,HCLV)

Field	Applications	Type
Iron Works	Descaling pump	GCHK
	Atomize pump	GCH
	Main induced draft fan for converter	HCLV
	Dust collecting fan	HCLV
Power Plant	Boiler feed pump (Coal fired power plan)	GCH
	HP feed water pump (CCPP power plant)	GCH, HCLV
	Induced draft fan for main boiler	HCLV
	Boiler exhaust gas mixing fan	HCLV
Metal and Mining	SO ₂ gas forced draft blower	GCH
Pipeline	Main pipeline pump	HCLV
Petro chemical	Chemical gas blower	HCLV

5. Selection Chart (TYPE: GCH-A)



Note:
GCH10XA: Single stage gear
GCH20XA: Double stage gear

Note: Shaft vibration sensor is not able to adopt for this model.

Thank You.



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