

*Certificate*

*This is to certify that* Mr. Jonny Carlos da Silva  
*has successfully completed* the Group Training Course in  
*Oil Hydraulics and Its Application*  
*at* Kitakyushu International Training Association  
*from* November 7, 1991 *to* March 26, 1992  
*organized by the Japan International Cooperation*  
*Agency under the International Cooperation*  
*Programme of the Government of Japan.*

*Kensuke Yanagiya*

PRESIDENT  
JAPAN INTERNATIONAL COOPERATION AGENCY  
JAPAN

*Date:* March 26, 1992





## CERTIFICATE

NAME Mr Jonny Carlos da Silva

COUNTRY Brazil

This is to certify his  
outstanding achievement in  
JICA Group training course

### OIL HYDRAULICS & *its* APPLICATION

His total point 1028  
Average point 812

SUBJECTS of EXAMINATION	HIS POINT
① Basics of hydraulics	100
② Oil hydraulic components	92
③ Hydraulic systems	95
④ Electro-hydro servo systems	99
⑤ Fundamentals of seals	100
⑥ Gear pump & updated hydraulics	78
⑦ Hydraulic motors	100
⑧ Super high pressure hydraulics	85
⑨ Control valves	94
⑩ Hydraulics in construction machinery	90
⑪ Ship board application	95

TOTAL POINT 1028

COURSE LEADER K. Nagatomo K. Nagatomo

MARCH 1992