

Collaboration with



COMPROVANTE LAVORO N° / Work Report N°M057A13		DATA / Date 08/02/2017
CLIENTE / Customer MSC	NAVE/IMPIANTO/ Vessel/ Plant M/N MSC-ANGELA	MACCHINARI/ Equipment Winch Hydraulic System
LOCALITA'/ Town	Antwerpen	
OPERATORE/Service Engineer	Di Giosia G., Manzoni D.,	
LAVORO EFFETTUATO E MATERIALE SOSTITUITO / Job carried out and spares renewed (1/1)		

Service on board during dry Dock in antwerp.
Details of the activities carried.

Mooring Winch/windlass FWD

- Windlass port side

Found oil leaks from speed controll valves. Removal of the cover, check of the shutters, check and cleaning of sealing seats, renewal seal kit and assembly.

- Mooring Winch middle.

Found oil leaks from handle shaft of maneuvering valve. Complete dismantling of all components of the distributor and check. Cleaning of sealing seats, renewal seal kit and assembly.



- Windlass stbd side

No oil leakage is found. During preliminary test is found malfunction of speed control valve. Removal of the cover and dismantling of shutters. Cleaning and polishing performed on lathe machine. Cleaning of the sealing seats, renewal seal kit and assembly.

Collaboration with



- Pump room.

Found oil leaks on pressure line of stbd side main pump. Dismantling, cleaning of the sealing seats, renewal seal kit and assembly.

Removal and check of the two return line filters. Not found steel debris.

Replace of hydraulic oil (delivery by crew).



Following the job described above, performed functional test on all winches in order to check speed, power (pressure) and absence of oil leakage.

Mooring Winches AFT

- Mooring Winch stbd side.

Found oil leaks from speed control valves. Removal of the cover, check of the shutters, check and cleaning of sealing seats, renewal seal kit and assembly.

Found oil leaks from connection pipe between motor and maneuvering valve.

Dismantling, cleaning and renewal seal kit. Assembly.

- Mooring Winch middle.

Not found oil leakage or malfunction.

- Mooring Winch port side.

Not found oil leakage or malfunction.

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- Pump room.

Found oil leaks on all pressure lines of the two main pumps. Dismantling, cleaning of the sealing seats, renewal seal kit and assembly.

Removal and check of the two return line filters. Not found steel debris.

Removal, cleaning and replacement seal kit of the cover of pressurized expansion tank.

Replace of hydraulic oil (delivery by crew).



Following the job described above, performed functional test on all winches in order to check speed, power (pressure) and absence of oil leakage.

Speed of rotation and power (pressure) of all winches (AFT and FWD) are consistent with drawing data.

FIRMA OPERATORE *Gabriele Di Giosia*
Engineer's signature

FIRMA RAPPRESENTANTE CLIENTE
Signature of Customer's representative

