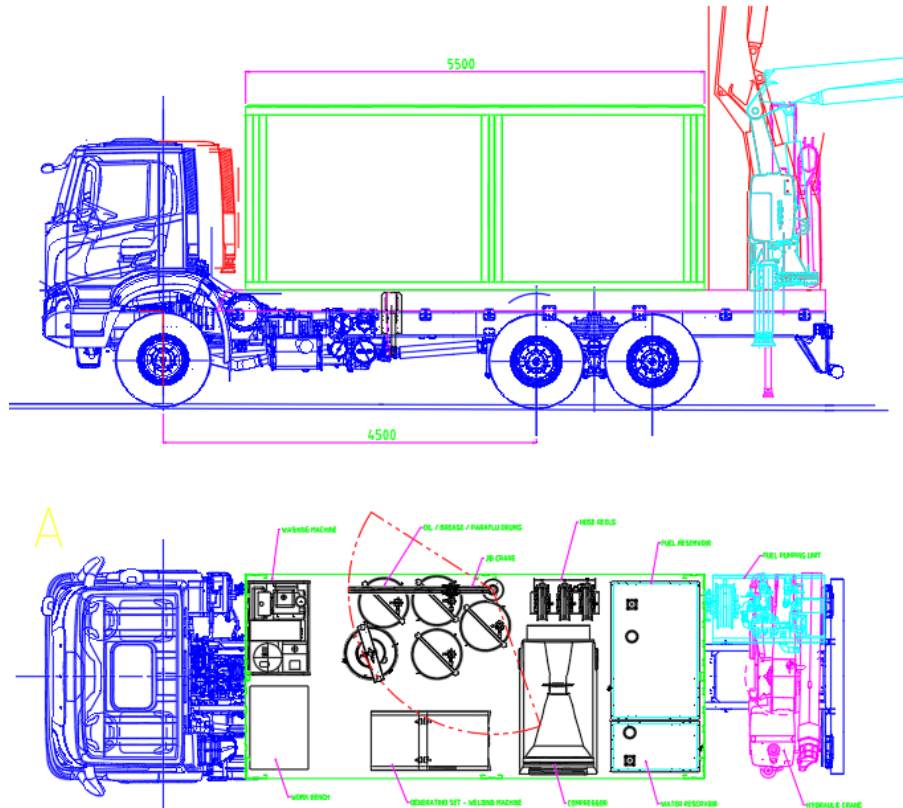


TECHNICAL DESCRIPTION

SUBJECT: Lubrication and greasing equipment combined with mobile workshop and Fassi crane F155A.0.23 (supplied at your care), installed on your Iveco T-way AT380T47WH 6x6, 4500 wheelbase



The equipment is composed of:

HYDRAULIC CRANE F155A.0.23

Installation of the customer Fassi crane model F155A.0.23 on the rear side:

A 13,05 ton/m hydraulic crane mounted on a dedicated structure at the rear of the chassis, behind the workshop body, consisting of:

Telescopic articulated arm with two hydraulic extensions

- Load capacity:
 - kg. 6000 at m 2,15
 - kg. 2990 at m 4,35
 - kg. 2045 at m 6,15
 - kg. 1520 at m 8,05
 - kg. 1210 at m 10,05
- Hydraulic control valve
- 390-degree rotation with rack and pinion
- Refilled oil tank
- Safety valves
- Swivel hook
- Pair of manually extendable arms with stabilizer jacks
- Power take-off
- Hydraulic pump
- Hydraulic connection kit and hoses
- Tie rod and bracket kit

PLATFORM AND EQUIPMENT

Dimensions:

- length 5500 mm approx.
- width 2500 mm approx.

Supporting structure in tubular profiles and cold bent steel sheet electrically welded to a sub frame in channel steel, bolted to the main beams of the vehicle chassis.

The floor of the platform is covered in chequered steel plate, thickness 3+2mm mm.

Sturdy columns are welded to the platform and support the roof of the box structure.

Covering roof made of steel frame, top and front wall in steel sheet.

The side and rear walls are closed by tarpaulins

Inside the box structure the following equipment are installed:

LUBRICATION UNIT EQUIPMENT

COMPRESSOR

- Screw motor compressor mod. Kaeser M27
Air capacity: 1600 l/min
Max working pressure: 14 bar
Noise level at 10m: 68dB(A)
Electric drive via Kubota D1105 17.9 kW diesel engine
Complete with: heavy-duty air filter, stand-by device for idle operation, fuel tank, and protective case
- n.1 air tank, cylindrical 250l capacity, fitted with safety valve, air intake tap, graduated pressure gauge
- n.1 hose reel for air delivery with automatic rewinding by means of a spring device, block system, and supporting frame for guide rollers. The hose reel is fitted with 15 m of ½" rubber hose
A quick joint is installed on the end of the winder, where the following delivery guns can be connected:
 - blowing gun
 - spraying gun for air-diesel or air-water washing
 - tyre inflating gun with pressure gauge

OIL SERVICE

- n.3 seats for positioning standard 180 kg oil drums complete with the necessary fittings for quick and secure fastening of the drums.
- n.3 air operated pump for oil suitable for fitting to 180 kg drum, ratio 5:1, complete with quick joints for air intake and oil delivery, free flow max. capacity 18l/1'
- n.3 hose reel for oil delivery with automatic rewinding by means of a spring device, block system, and supporting frame for guide rollers. The hose reel is fitted with 15m of ½" rubber hose
A delivery gun with litre counter is fitted on the end of the hose

GREASE SERVICE

- n.1 seat for positioning standard 180 kg grease drum complete with the necessary fittings for quick and secure fastening of the drum and cover and a follower plate
- n.1 air operated pump for grease suitable for fitting to 180 kg drum, ratio 1:50, complete with quick joints for air intake and grease delivery, free flow max. capacity 1500 gr/1'
- n.1 hose reel for grease delivery with automatic rewinding by means of a spring device, block system, and supporting frame for guide rollers. The hose reel is fitted with 15 m of ¼" rubber hose.
A delivery gun is fitted on the end of the hose

COOLANT SERVICE

- n.1 seat for positioning standard 180 kg coolant drum complete with the necessary fittings for quick and secure fastening of the drum.
- n.1 air operated pump in stainless steel for coolant suitable for fitting to 180 kg drum, complete with quick joints for air intake and coolant delivery, max. capacity 30l/1'
- n.1 hose reel for coolant delivery in stainless steel, with automatic rewinding by means of a spring device, block system, and supporting frame for guide rollers. The hose reel is fitted with 15 m of ½" rubber hose.
A delivery gun is fitted on the end of the hose

HIGH PRESSURE WATER UNIT

- n.1 water tank in stainless steel AISI304, 1.000l capacity approx. with fastening brackets, equipped with loading port, breathing valve, level indicator and discharge tap
- n.1 high pressure cleaner **KARCHER HDS 1000 DE** for hot water, driven by diesel engine Yanmar, capacity 450-900l/h pressure maxi.200 bar maximum temperature 140°.
- n.1 hose reel for HP water in stainless steel, with automatic rewinding by means of a spring device, block system, and supporting frame for guide rollers. The hose reel is fitted with suitable 25m of 3/8" rubber hose. A washing lance is fitted at the end of the hose reel

FUEL TANK

- n.1 fuel storage tank, 3.000l, made of steel, equipped with brackets for fastening, complete with filling manhole, vent pipe, level indicator, and drain valve
- n.1 diaphragm pump, air-operated, 200 l/1' capacity
- n.1 litre counter with partial and total measuring, 220 l/1' capacity
- n.1 automatic hose reel for fuel delivery. The hose reel is fitted with 15 m of 1" rubber hose. A delivery gun having a capacity of 120l/1' is fitted on the end of the hose

All the hose reels are installed one besides the other. The delivery guns at the end of the hoses are placed into a suitable collecting tray.

WORKSHOP EQUIPMENT AND TOOLS

- On the box structure front wall, a work bench is installed having dimensions 1200x700 with fixed vice 120mm and lockable drawers
- Drawer for tools storage placed under the high pressure cleaner

GENERATING SET – ENGINE DRIVEN WELDING MACHINE WITH ACCESSORIES

n.1 engine driven welding–generating set, composed of asynchronous alternator, three-phase, self-excited, self-regulated, driven by electric start diesel engine. The set is installed on a raised basement. Under the basement there is a compartment with doors

Main characteristics:

continuous welding current, adjustable 20-190 A

starting voltage: 70 Volt

maximum electrode diameter 4 mm

maximum three phase power: 6 KVA at 380V, 50 Hz

maximum single phase power: 5 KVA at 220V, 50 Hz

maximum power low voltage: 2KVA at 48V

sound level: 75 dBA

The following accessories are comprised:

- 10m+10m of cable with electrode carrier clamp and earthing clamp
- Protection shield
- Brush
- scaling hammer
- protection gloves

ELECTRIC SYSTEM FOR LIGHTING AND POWER SUPPLY

- n.4 neon lamps for internal lighting
- n.3 working lights for night works placed on the rear side 500 watts each (n.2 lights in the crane area and n.1 light in the hose reels area)
- Electrical connections for all electrical appliances, with plastic pipes and inspectable junction boxes
- n.1 panel with 230V socket
- n.1 panel with 400V socket
- n.1 manual cable reel with 25 m of cable and n.2 220V sockets

ELECTRIC TOOLS

- n.1 electric drill for holes up to 16mm with column, installed on the workbench (drill may also be portable). The drill is complete with jaw and chuck
- n.1 electric combined grinder with two discs
- n.1 set of drill bits from 1 to 13 mm
- n.1 emergency starter voltage 12/24V, peak current 2300A with cables and clamps

ASSORTMENT FOR EARTH MOVING MACHINE (151 PCS.) as follows:

Q.TY	DESCRIPTION	MEASURES
4	Combination wrenches	24-27-30-32
13	Set of 13 double ended open jaw wrenches	6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x26-25x28-27x29-30x32
1	Pliers with straight nose for internal circlips	19÷60
1	Pliers with straight nose for external circlips	19÷60
1	Lock-grip pliers with concave jaws	250
1	Box-joint adjustable pliers	250
1	Hacksaw	-
1	Shears for sheet steel	250
1	Scissors for electricians	-
16	Hexagonal sockets	22-23-24-26-27-28-30-32-33-34-36-38-41-46-50-55
1	Extensions	200
1	Reversible ratchet	-
1	T-handle with sliding square drive	-
1	Universal joint	-
12	Set of 12 angled hexagon keys	2÷10
13	Set of 13 offset bihexagonal ring wrenches	6x7-8x9-10x11-12x13-14x15-16x17-18x19-20x22-21x23-24x26-25x28-27x29-30x32
17	Set of 17 combination wrenches	6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22
2	Ribbed chisels	150-200
6	Set of 6 pin punches	-
6	Assortment in plastic wallet (6 pcs.)	362/125-150; 364/125; 366/3x125-4x150; 368/4x125
1	Non-rebound mallets	35
2	Hammers for mechanics	300-500
1	Oilers	500
1	Crowbar	400
1	Rolling head bar	400
1	Flexible retrievers with magnetic head	1
1	Fast oil-filter wrench (cars)	-
1	Thickness gauges	19 L
5	Set of five files (990 M PA÷M PE)	990 M PA÷M PE
4	Screwdrivers for slot-head screws	0,5x3x75-0,8x4x100-1x5,5x125-1,2x6,5x150
2	Screwdrivers for PHILLIPS® screws	1x75-2x100
1	Screwdrivers for slot-head screws	0,8x4x35
1	Screwdrivers for PHILLIPS® screws	2x35
1	Screwdrivers for slot-head screws	1,6x8x175
1	Screwdrivers for PHILLIPS® screws	3x150
1	Professional tape rules with shockproof covering	3
23	Assortment with hexagonal sockets in ABS case (23 pcs.)	-
1	Half-round extra-long nose pliers with straight jaws	160
1	Combination pliers	180
1	Heavy-duty diagonal cutting nippers	160

The following equipment are also comprised:

- Pneumatic, water, and hydraulic system for supplying various services, with connecting pipes between the compressor, air tank, air-operated pumps, made of rubber suitable for the transported fluids and their operating pressures. It also includes a dehumidifying filter and a pressure regulator downstream of the air compressor, where necessary
- Crane with flag-type rotating arm for lifting drums, with a swivel column on a bearing, beam, and manual chain hoist with a sliding trolley, with a capacity of 250 kg
- n.1 lockable case for containing tools and accessories
- n.1 fire extinguisher capacity 9 kg
- n.1 water tank 50l for drinking water in stainless steel with tap
- n.4 Jerricans in steel sheet capacity 20l for fluids in general
- Mud guards for rear wheels.
- Spare wheel holder

External painting in the requested colour.

SPARE PARTS:

- n.1 kit of spare parts for first maintenance of motor- driven compressor
- n.1 kit of spare parts for first maintenance of air operated oil pump
- n.1 kit of spare parts for first maintenance of air operated grease pump
- n.1 kit of spare parts for first maintenance of air operated coolant pump
- n.1 kit of spare parts for first maintenance of HP water cleaner
- n.1 oil gun
- n.1 grease gun