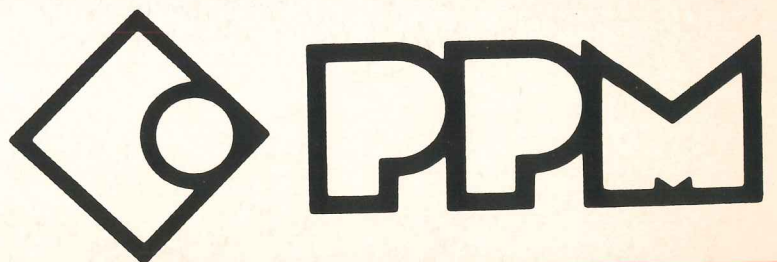


18.01

**OPERATOR'S
MANUAL**



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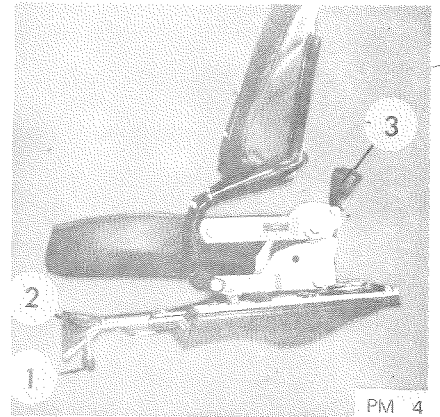
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OPERATION

9 Parking brake lever

Pull handle upward to brake



PM 4

10 Seat

Adjust the seat to suit yourself :

- Lever 1
- Tilt forward : makes it possible to bring seat closer to
- Hydraulic controls
- Handle 2
- Raises the seat
- Handle 3
- Set hardening of suspension spring

11 Boom control lever

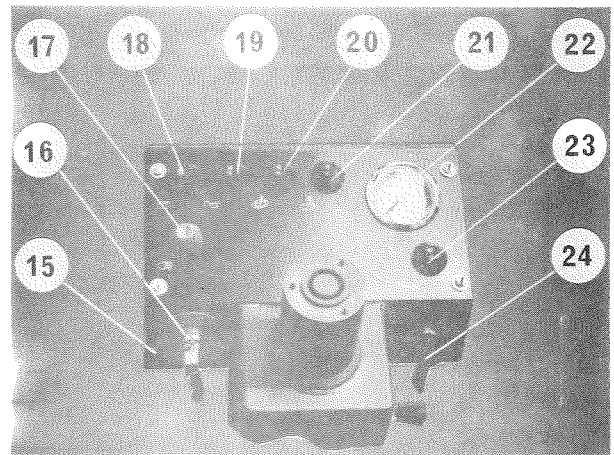
Push forward, boom lowers
Pull backward, boom rises

12 Double control lever

12 - 1 Left winch lift

Push toward cab front, hook lowers
Pull toward cab rear, hook rises

12 - 2 Upperstructure steering to right :
Bring lever toward wheel



PM 5

13 Clutch pedal

Push fully to clutch before gear switching



14 Heat handle

15 Front dash-board

16 Standby-code-spot light switching and klaxon



17 Spot light indicator

Lights up when spots operate



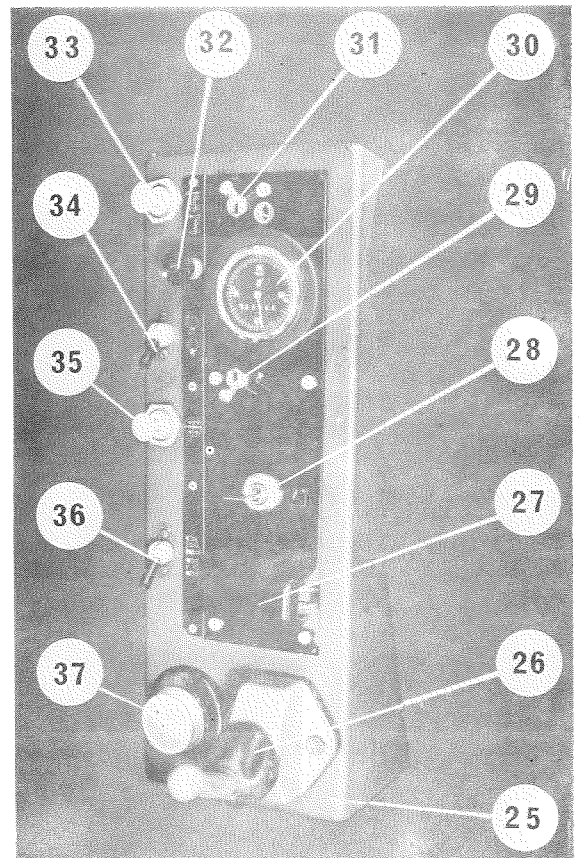
18 Load indicator light

Lights up only when the dynamo does not charge



19 Engine oil pressure indicator light

This oil pressure light goes on at engine start and goes off after a short operating time.



PM 6

2) Servicing filter cartridge

* To be effected only when the clogging indicator is in the red area.

– Dry-clean filter cartridge (4) either by tapping it vertically against the palm of your hand, or by applying dry compressed air diagonally from the inside out and vice versa.

NEVER USE COMPRESSED AIR TO CLEAN THE FILTER HOUSING (5)

- The cartridge (4) can also be rinsed in tepid water containing a non-frothing type commercial detergent.
- Then rinse in clean water and allow it to dry.

DO NOT USE PETROL OR HOT LIQUIDS, AS THESE DAMAGE THE CARTRIDGE

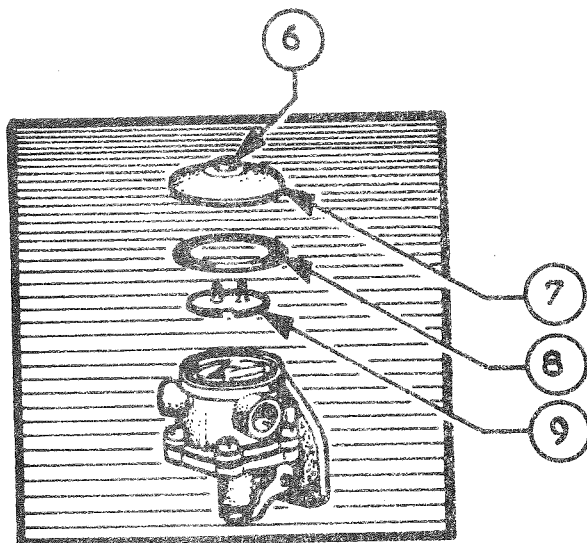
3) Check

Before reassembling, check filter cartridge, using a lamp.

All damaged cartridges must be replaced (also check condition of seal)

A FILTER CARTRIDGE MUST NOT BE CLEANED MORE THAN FIVE TIMES

Press clogging indicator button (3) - the red signal will then disappear.



FUEL FILTER

FEED PUMP FILTER : CLEANING

Interval : 100 - 120 hours

- Remove securing screw (6) and then the cover (7)
- Lift out seal (8) and strainer (9)
- Rinse strainer in fuel
- Remount and check for leaks

AFTER SERVICING

- Bleed and reprime fuel circuit.



MAINTENANCE

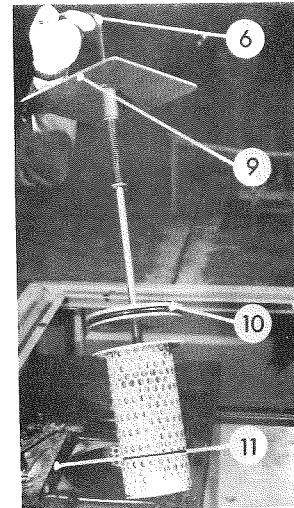
- Dip filter basket into gas-oil bath
- Blow from outside to inside, opening directed to bottom
- Reassemble the assembly without forgetting the gasket (11) under closing plate.

Drain : 2000 hours

- Replace the hydraulic circuit oil by a systematic drainage of assemblies.

Tank-pump-jack-hydraulic motors-cooler

- The operating method is not described, please address yourself to PPM specialists.



2 MAGNETIC FILTERS, 50L AND 200L

Cleaning : 100 hours

At start : 50, 100, and 150 metered hours
 Tooling : flat spanners of 27 and 32mm
 Access : gate behind cab

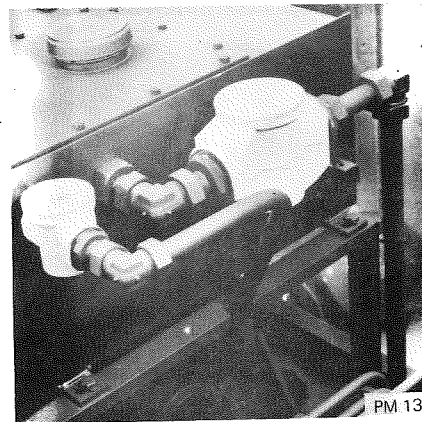
- Unscrew the covers (1) by hand
- The 6-point wrench must only be used when manual disassembly is not possible.
- Remove the circular screens (2). Wash them with gas-oil. Check by transparency.
- Clean the magnet with a cloth running impurities toward the extremities.

NOTE :

On the 200L filter provided with its own drain screw (3), change oil of filter body.

Reassembly

- Set screen back in place into the filter body by fitting in the lower pin into its space.
- Such space is located on the pipings side (in the screen, the window faces oil input).
- Screw the cover BY HAND, without lifting it, as this would otherwise remove the spin from its housing.

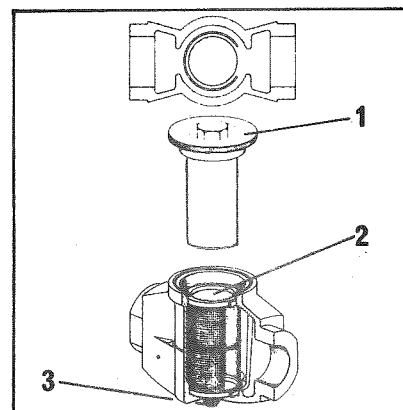


3 LOCKHEED CIRCUIT

Special hydraulic oil : **Lockheed N°5**

- Winch unbraking control
- Front axle braking
- Flat terrain as base for machine
- Check level in the 2 tanks

If the level is below the minimum, fill up with the same fluid. However, check if there are no leaks.





HYDRAULIC SYSTEM

4 CONNECTIONS

The various hydraulic circuit elements (pumps, valves, filters) are linked between them by means of pipings and hoses. These pipings or these hoses adapt on each element by means of screwed on connections. Tightproofing between the connection and the element on which it is screwed is insured by an O-ring seal.

Disassembly

- Unlock
- Unflange piping from fastenings
- Unscrew and remove connection

Reassembly

- Clean connection with gas-oil
- Clean gasket bearing area
- Replace O-ring seal
- Cover with grease to insure seal sticking to connection groove
- Reassemble connection and block
- Reassemble the piping or the hose.

If the leak continues, call in a P.P.M. specialist.

5 PIPING

Burst up piping

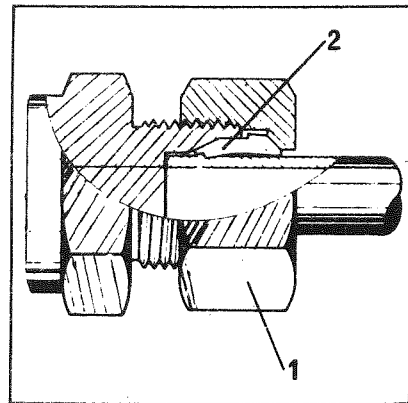
It can be temporarily replaced by one or several hoses to connect between them by means of female/female or male/male connectors.

Crimping

If there is a leak in spite of retightening :

- Unscrew the nut on piping (1)
- Check all parts by sight
- If required change the ring (2) or the nut
- Dismantle the piping
- Cut it at a right angle right near the ring
- Clean with a file (inside and outside)
- Set the ring, crimp it by using a connector as shown on the drawing.

PROPER CRIMPING IMPLIES THAT THE RING MUST BE SLIGHTLY LOOSE AROUND THE PIPING.



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