



High Pressure Pump Maintenance

High pressure pumps require servicing occasionally. The oil that it contains when new will flush out any machining and running-in swarf (minute particles of metal that will be dislodged when the pump is run for the first few days). These specks of metal are normal but can cause wear on the bearings, conrods and crankshafts. For this reason the first oil change is very important and should be carried out after the first 30 to 50 running hours. Once the initial service has been carried out, there will not be any further swarf and the oil can be changed every 300 to 500 running hours.

Occasionally the oil will become milky. This is usually caused by small amounts of humid air being sucked into the crankcase through the breather plug on top of the pump. Oil absorbs the moisture until the colour change is noticeable. The solution is to change the oil. Usually the blame for this problem is leaking seals, but as there is a gap between the manifold (the head) and the crankcase, any leaks from the seals will drip out of the pump and not enter the crankcase.

It is important to service the pump regularly. Used properly the pump will last for years.



HAWK PUMPS SOUTH AFRICA

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Bespoke Truck-Mounted Municipal Drain Cleaner

A customer, a contractor to the local municipality, required 3 high pressure washers for a drain cleaning application. This customer had 3 x 10ton trucks to which he wanted the high pressure washers and hydraulically powered hose reels to be fitted.

We designed the unit on a skid which was then fitted to the truck chassis, between the cab and the tank. The heavy-duty high pressure pump is driven by a 6-cylinder turbocharged air-cooled diesel engine and produces 211 litres/minute at 190bar.

The hydraulic hose reel was fitted to the rear of each truck. The reels have a forward and reverse control. The reels were fitted with 120m of 1" two-wire hose fitted with a drain nozzle.



Hawk Boiler Tube Cleaning Trailer with 500bar Pump

The Hawk 500bar range of pumps are proving to be very popular and there is a large interest in using these pumps for boiler tube cleaning applications.

This unit was also tailor-made to the customers specifications. The pump is driven by a 3-cylinder air-cooled diesel engine and has an output of 30 litres/minute at 500bar.



A non-live hose reel was fitted purely for storage purposes only.

The chassis is made from hot-dipped galvanized steel and the trailer is unbraked.

It is roadworthy and registered (but not licenced).

Staff News:

Congratulations to the proud new parents!

Philemon, an assembler in the Durban factory, welcomed the latest addition to his family this month... a healthy little girl.

To unsubscribe to this newsletter or to receive an electronic version via email, please contact Pamela on (031) 274-8555 or email pam@hawkpumps.co.za