

The Vacuum body is a **Spoutvac SV5300DTDG – running the Nash CL3002 liquid ring pump.**

(This is significant as this is the largest pump they were ever made with and cannot be purchased in this specification anymore)

Please note there was an option to have the unit powered by a Caterpillar engine (which is fitted)

2. DATA SHEET

CUSTOMER

DELIVERY 2004

JOB No. 189

UNIT TYPE SV5300DTDG

MANUFACTURER Spoutvac Industries Ptv. Ltd.

SERIAL No. 12-04-SV181

TRUCK

Make VOLVO

Model FM9

Wheelbase 6400mm

VACUUM PUMP

Make Nash

Model CL3002

AUXILIARY ENGINE

Make Caterpillar

Model 3126B

Serial Number:

3. MACHINE DESCRIPTION

The SV5300DT is Spoutvac's premier 8x4 truck based vacuum unit. It features a 0200mm hose size, combined with a performance matched vacuum generation system. The unit is fabricated with its own separate chassis for independence from the vehicle and features, a fully enclosed, sound attenuated cabinet that houses the vacuum generation system.

3.1 Vacuum Generator

Vacuum is created by a Nash CL3002 liquid ring pump. A 186 Kw (260 Hp) Cummins 6CTA 9.4 litre turbo-diesel auxiliary engine is fitted inside the powerhead to drive the vacuum pump, via a poly chain drive system. The liquid ring pump produces a maximum vacuum of 8.47 kPa absolute

(27" Hg). The maximum air flow rate attainable is 7,100 M³/Hr (4200 cfm). The SV5300DT has superior vacuum performance over conventional roots type blower type units with similar size hoses. Vacuum generated by the liquid ring pump is independent of the air speed, allowing suction distances of up to 600m without appreciable loss of performance. Furthermore, as the liquid ring pump has only one moving part, with no metal to metal or close tolerance contact it is

virtually maintenance free.