

Instruction manual

Water silo VF540



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CE



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Purpose and scope of operations

Read this manual thoroughly before using.

The conveyor/ elevator are designed to be used for transport and dosing of potatoes, onions and similar products. Typeplate and CE mark is placed on the side of the conveyor near the motor.

Installation

It is very important the machine are placed in the right position for other machines.

Connect the electricity supply in accordance with local regulations. Electricity supply should be connected through a motor protection relay, which corresponds to the size of the motor. If the conveyor/ elevator is supplied with a motor relay, connect the power supply to this.

For gear types where it is possible to check the oil level, the oil level in gear and variator must be checked before startup.

Safty

People who work near the carrier must not wear loose clothing as this may endanger their safety.

Pictograms

DANGER - ROTATING PARTS.

Do not come into contact with moving parts. This is true both with fingers like clothing, as this may lead to mutilation.



Operation

When the machine has been correctly placed in relation to other machines in the production sequence, start the machine by activating the motor relay.

If the conveyor/ elevator is supplied with a variable speed regulator, the speed regulator is regulated by turning the handle with the indicator on the variator. Ratio 5:1

Never turn the handle when the machine is not in operation.



Lubrication and maintenance

Bearings

All bearings are lubricated for life and require no further maintenance.

Grease nipples are mounted on the bearings as we by SKALS by the assembly make a refilling of bearings. This is done because of the low rotations speed of the bearings.

The extra greasing improves the sealing in the bearing.

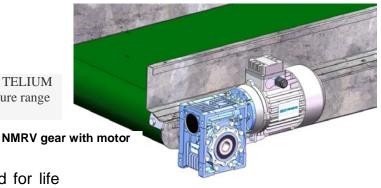
If the bearings are refilled, this should be done with a minimum of 1000 hours interval or at the earliest for every 6 months.

Make maximum 1 stroke with a standard grease gun on a TG / TM11.

Too much lubrication can damage the seal and thereby shorten bearing life considerably.

Gear

Worm gear type NMRV are lifetime lubricated with IP TELIUM VSF, a synthetic grease for running in normal temperature range (-15oC to 40oC).



The worm drive type NMRV is lubricated for life

with IP TELIUM VSF, a synthetic grease suitable for a normal temperature range of -15°C to + 40°C.

	Syntetisk	Mineralsk
IP	Telium VSF	Mellena oil 220
Shell	Tivela oil SC320 Omala o	oil 220

AgibBlasia S320Blasia 220MobilGlygoyle 30Mobilgear 220CastrolAlphasyn PG 320 Alpha 220

Change oil after 5,000 production hours.

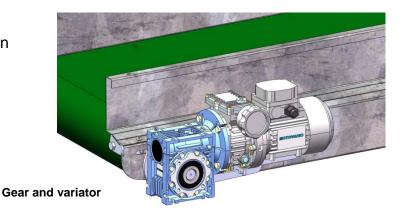
Variator

The variator is mounted between the worm drive and the motor. It must always be kept filled with long life oil and should be topped up to the middle of the observation glass.

Change the oil every 8 years.

It is imperative that there is always the correct amount and type of oil in the variator. Recommended oils: IP Transmission V. E. IP A.T.F. Dexron Fluid AGIP A.T.F. Dexron

Chevron A.T.F. Dexron ESSO A.T.F. Dexron Fina A.T.F. Dexron Mobil A.T.F. 220 Shell A.T.F. Dexron Castrol TQ Dexron II.





Cleaning

With reference to the Danish Plant Directorate's Order No. 965 of 13 December 1993 (p. 6).

- 2.3.3 Seed potato growers with contained propagation must clean and disinfect all sorting and ancillary equipment after each new variety. Disinfecting should be carried out using a product approved by The Danish Institute of Plant and Soil Science.
- 2.3.4 Companies authorised to sort potatoes and who also have the authorisation to propagate potatoes, must clean and disinfect sorting machinery etc. which is under the control of The Danish Plant Directorate before the sorting of own propagation is commenced. Disinfecting should be carried out using a product approved by The Danish Institute of Plant and Soil Science.
- 2.3.5 Premises and machinery etc. must be cleaned and disinfected each year before 30 June. Disinfecting must be carried out using a product approved by The Danish Institute of Plant and Soil Science.

In other countries, customers must conform to relevant, local food and hygiene regulations.

<u>When cleaning with high pressure equipment</u>, the following parts must be securely covered: Motor, variator, worm gear, conveyor cylinders, and all bearings.

In order to maintain effective production and keep maintenance costs at a minimum, regular lubrication, maintenance and cleaning are <u>very important</u>.

Transport

If the machine is damaged on delivery must immediately inform the dealer.

Lifting

If the machine is lifted, this must be done using nylon straps according to illustration below (Fig. 1). Please be attention to that the spread angle between the slings/chains maximal must be 120 degrees.

Never walk under a suspended load.



Fig. 1.

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Declaration of conformity with EU

Manufacturer	
Firm:	A/S Skals Maskinfabrik
Address:	Hovedgaden 56
	8832 Skals, Denmark
Telephone:	87 25 62 00

declares herewith, that

Machine:	Water silo	
Brand:	VF 540	
Type, serial no,		
year:		

Is manufactured in accordance with the decisions of the Councils Directives:

- 1 Machinery Safety Directive 98/37/EC
- 2 Low Voltage Equipment Directive (LVD) 2006/95/EEC
- 3 Electromagnetic Compatibility (EMC) Directive 89/336/EEC and 93/68/EEC as amended.

Title:	Productions Manager
Name:	Søren Lund Madsen
Firm:	A/S Skals Maskinfabrik

Bren (Signed:

Date:_____