

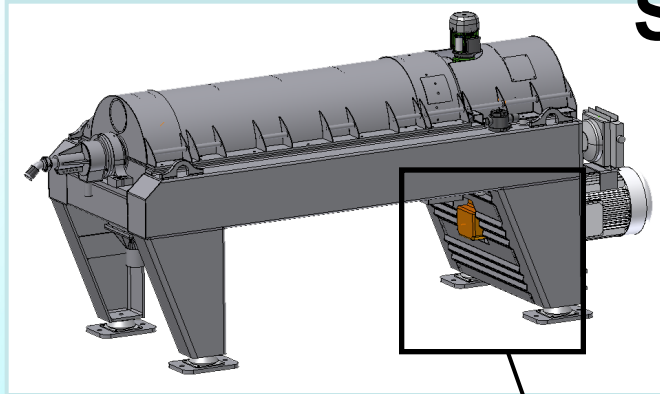
130705R0

DRYCAKE

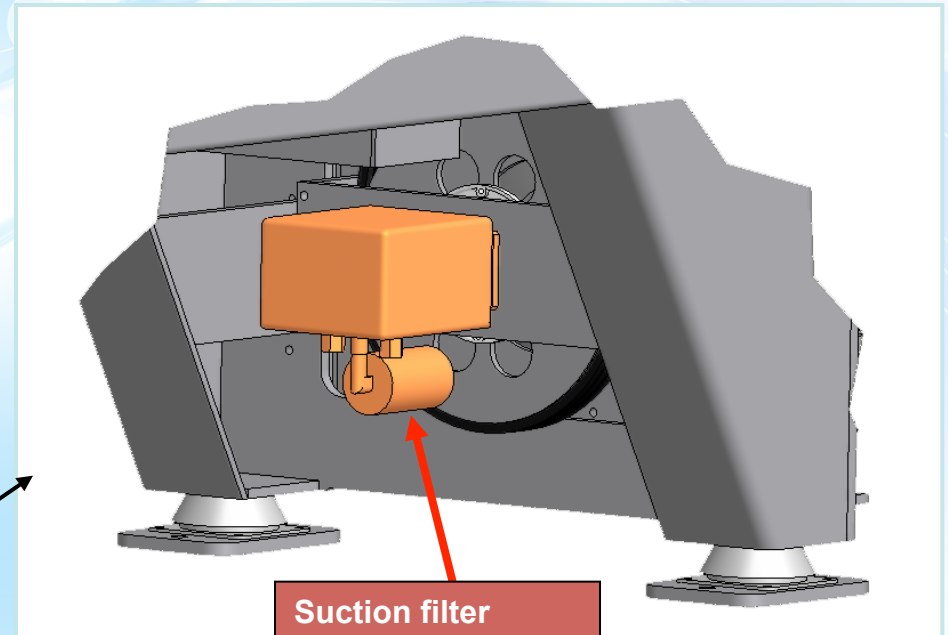
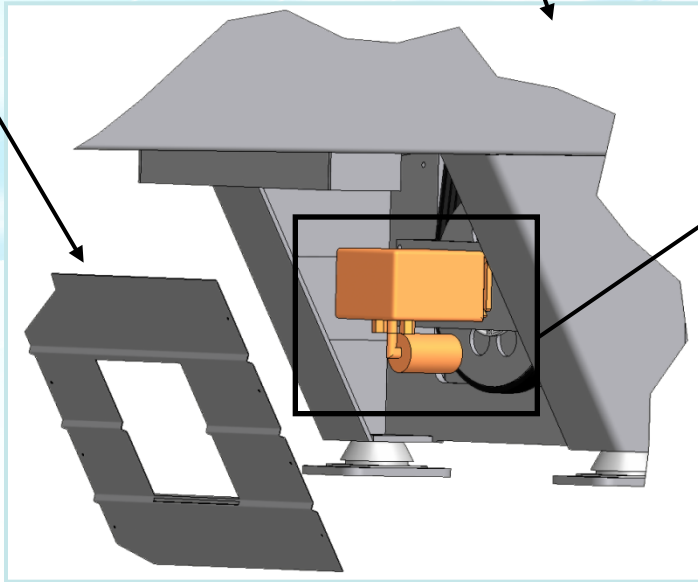
Vanderbeken Enterprises Ltd.

**DECANTER CENTRIFUGE
MAINTENANCE GUIDE**

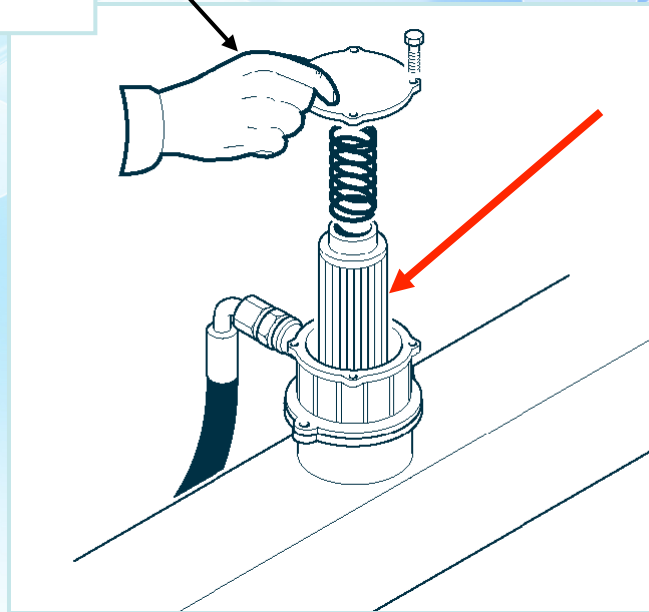
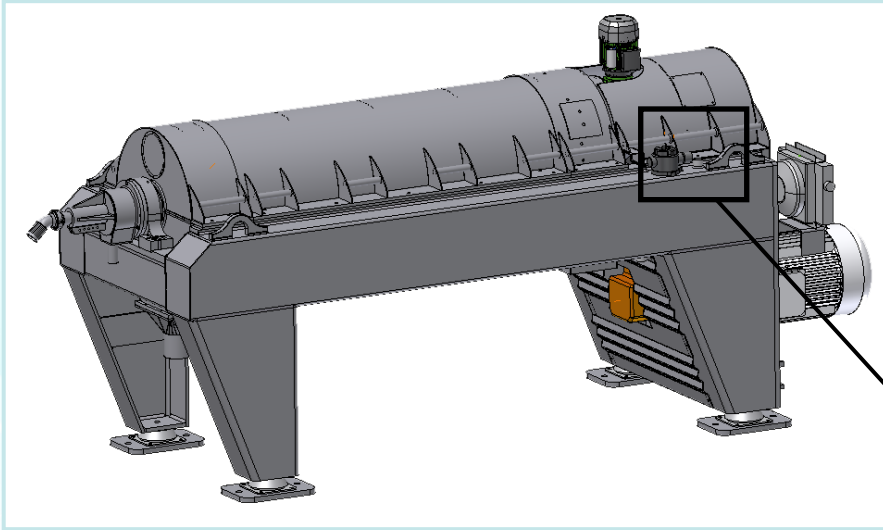
REPLACE HYDRAULIC SUCTION FILTER



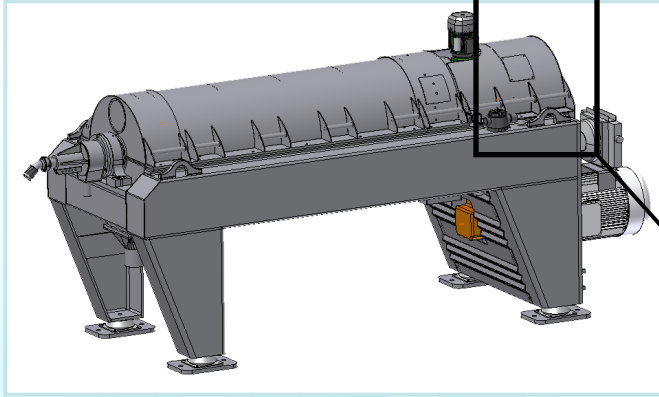
Remove the cover



REPLACE HYDRAULIC RETURN FILTER

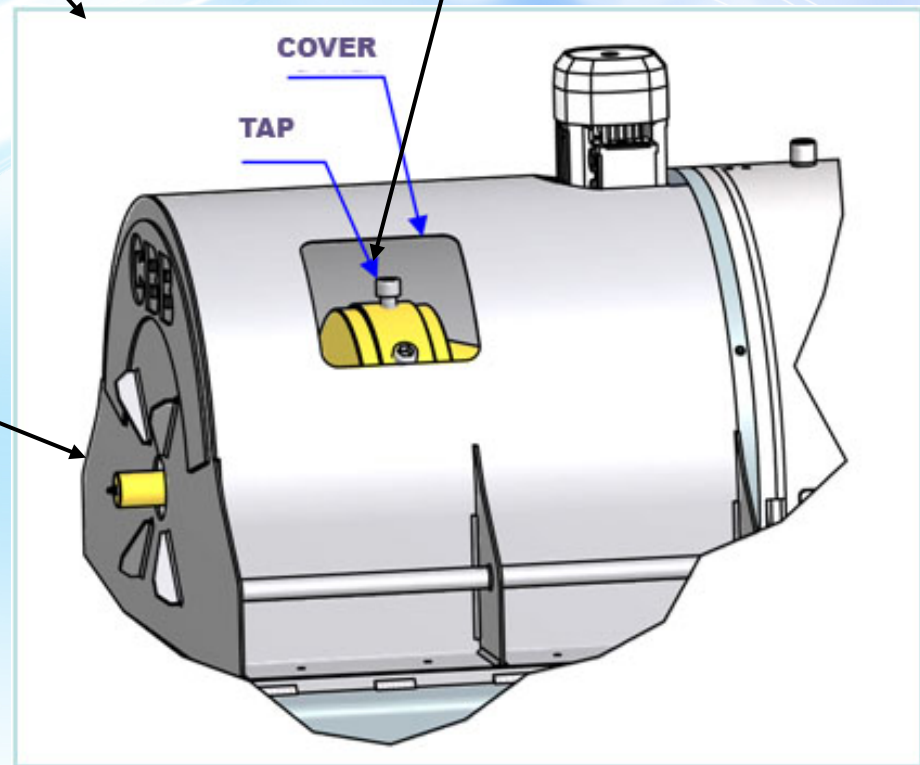


GREASING THE GEARBOX

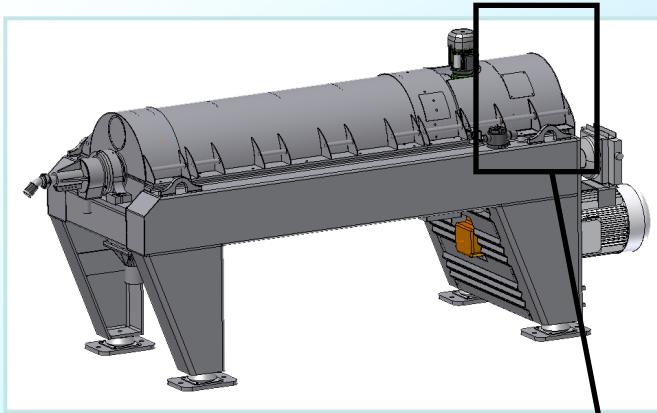


Remove the tap

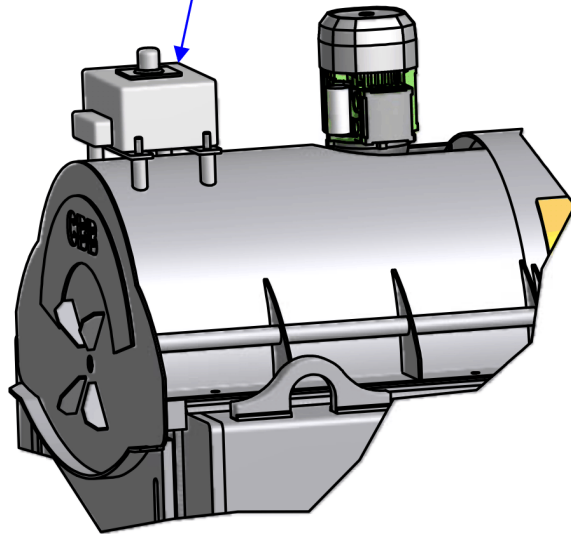
Greasing



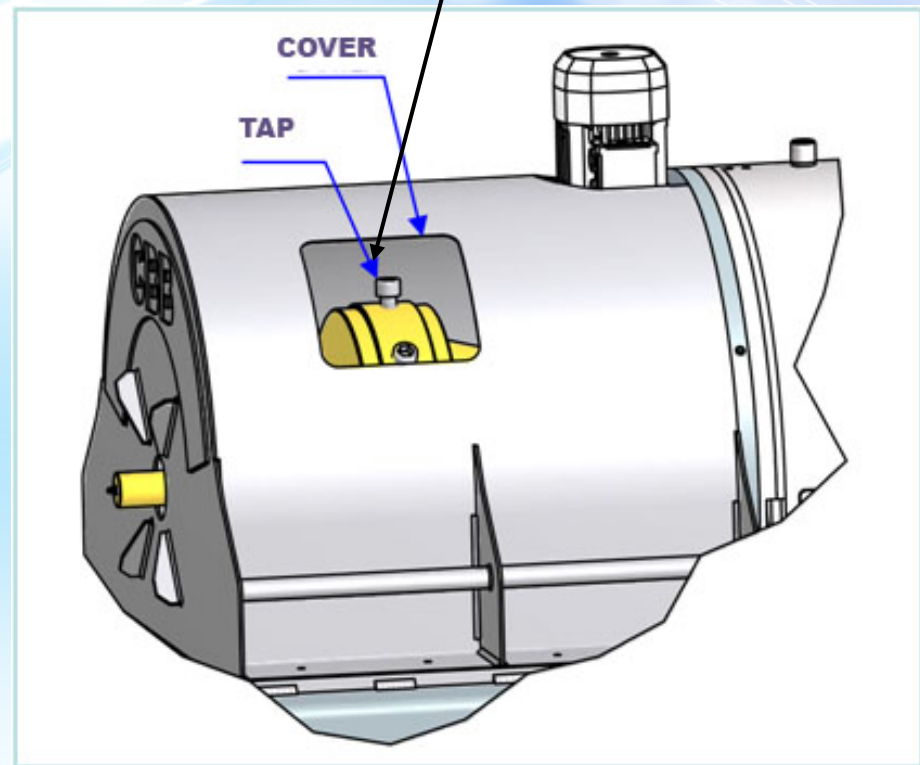
OIL LUBRICATED GEARBOX GREASING



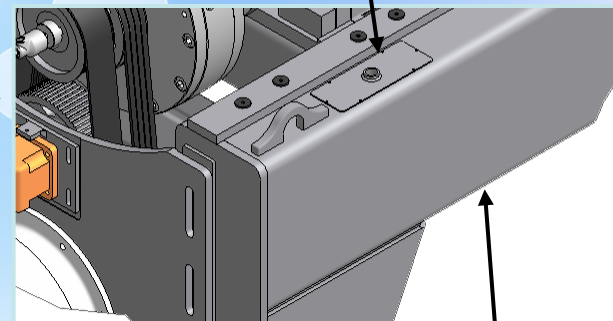
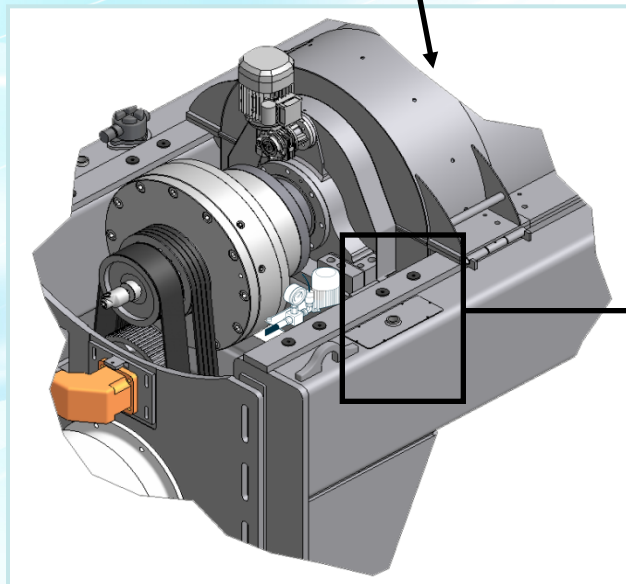
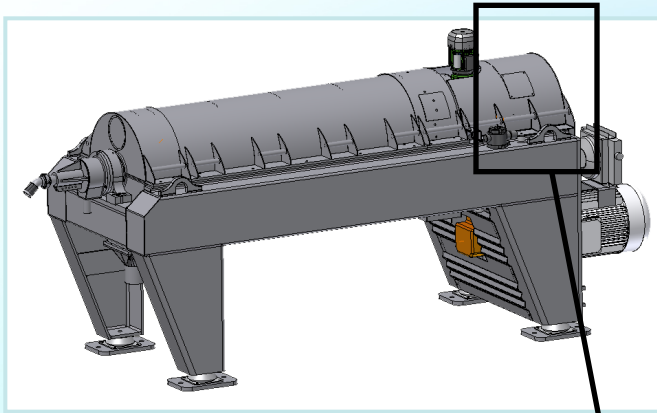
Gearbox oil reservoir



Remove tap and empty



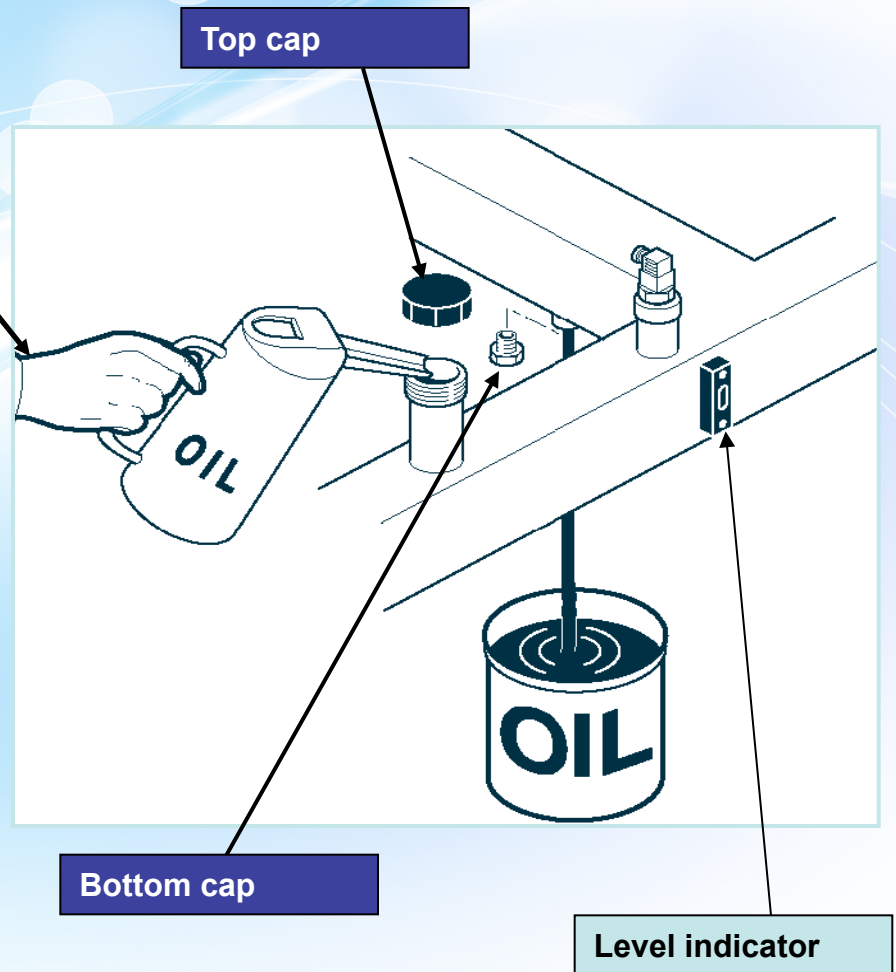
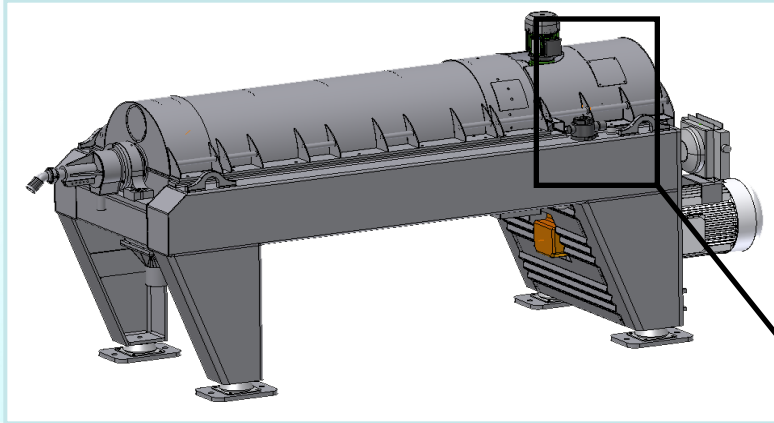
RECIRCULATING OIL GREASING



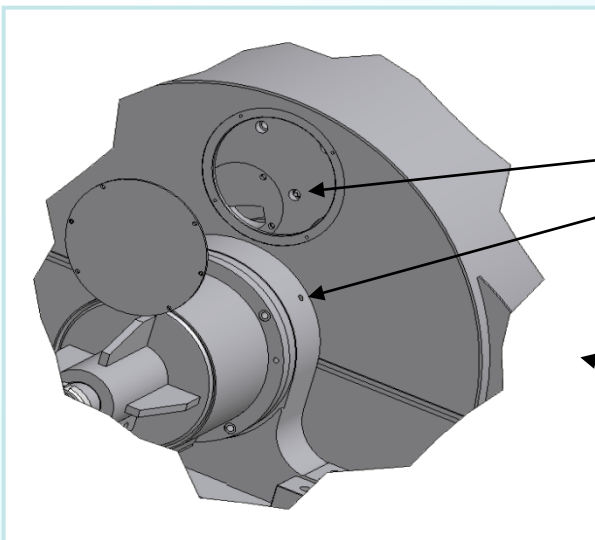
Top cap

Bottom cap

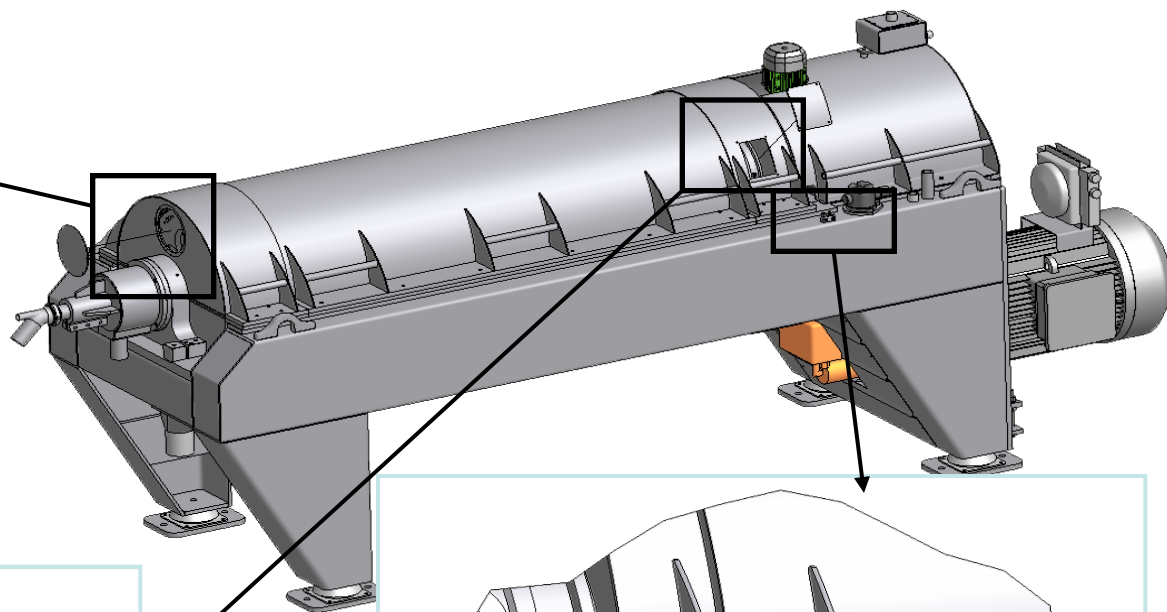
CHANGING THE HYDRAULIC OIL



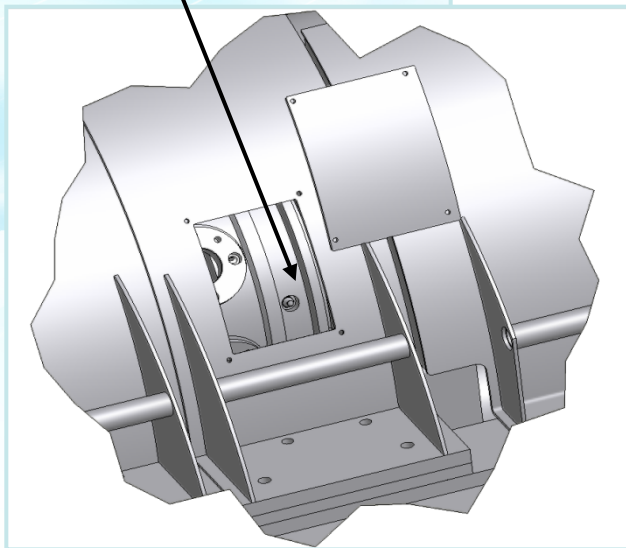
GREASING MECHANICAL PARTS



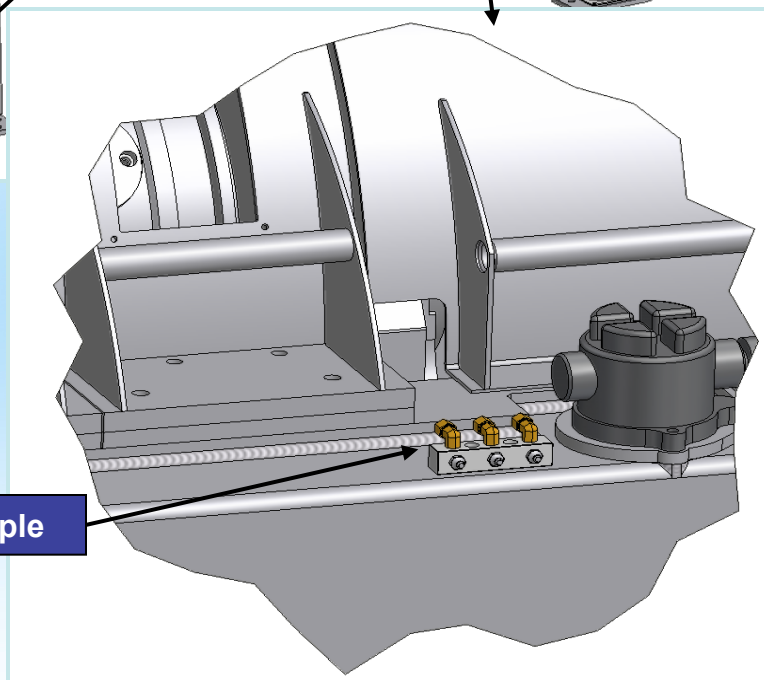
Grease nipple



Grease nipple



Grease nipple



LUBRICANT TABLE

Recommended lubricant for greased gearbox

ALUPEX – C/1	(used by manufacturer)
AGIP-GR-MUEP 2	(equivalent)
SHELL ALVANIA 2	(equivalent)
SHELL ALBIDA GREASE GC 1	(equivalent)
KLUBER STABUTHERN GH461	(equivalent)
MOBILITHMP SHC 100	(equivalent)

Recommended lubricant for oil gearbox

AGIP ALPHA 100	(used by manufacturer)
BLASIA 100	(equivalent)
SHELL OMALA 100	(equivalent)
MOBIL GEAR 629	(equivalent)

Recommended lubricants mechanical parts

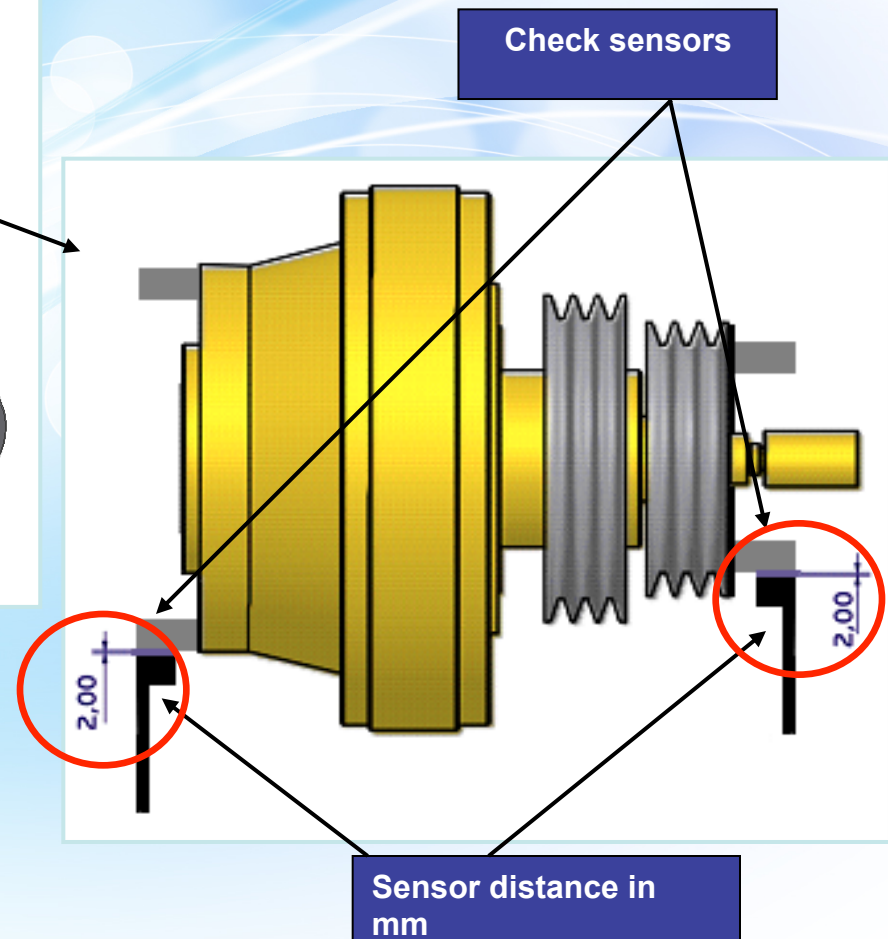
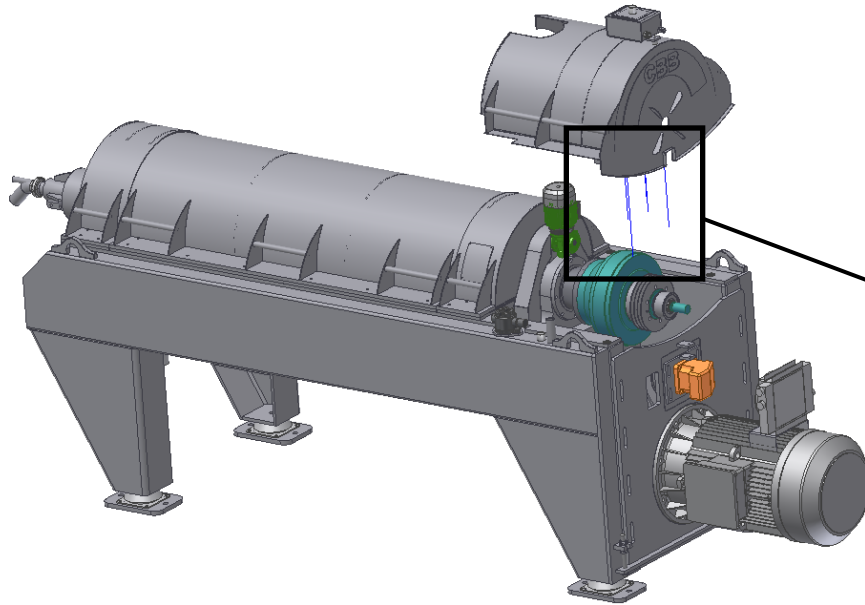
ALUGRASE SUPER 2	(used by manufacturer)
KLUBER ISOFLEX NBU15	(equivalent)
CASTROL TRIBOL 4747	(equivalent)
SHELL GREASE HV	(equivalent)
MOBILITH SHC	(equivalent)

Oil hydraulic unit

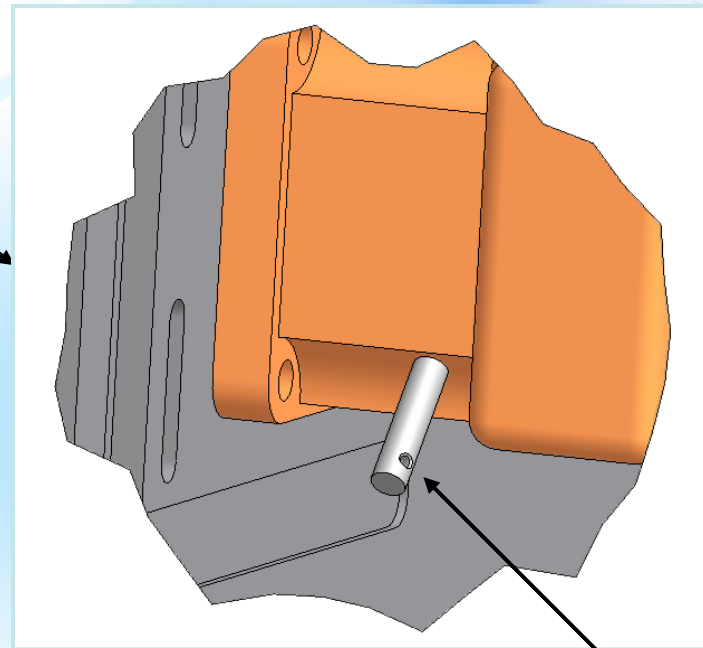
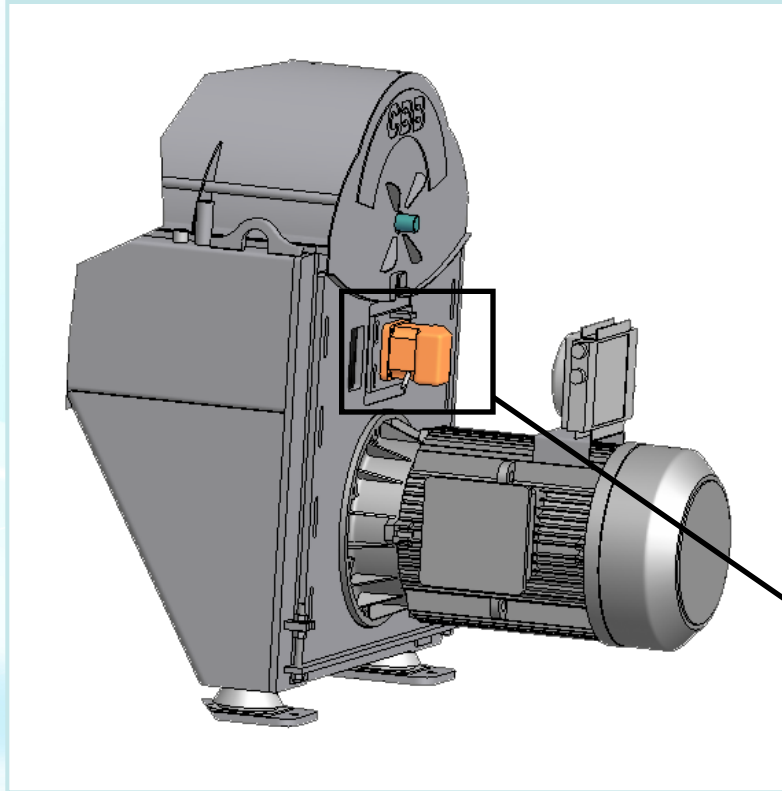
AGIP ARNICA 46	(used by manufacturer)
SHELL TELLUS T46	(equivalent)
MOBIL DTE 15	(equivalent)

SPEED SENSOR ADJUSTMENT

FIXED DIFFERENTIAL SPEED DECANTER

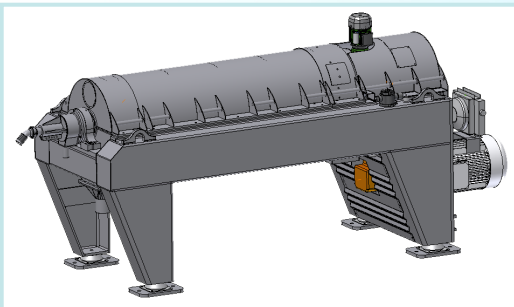


REPLACING HYDRAULIC MOTOR SENSOR

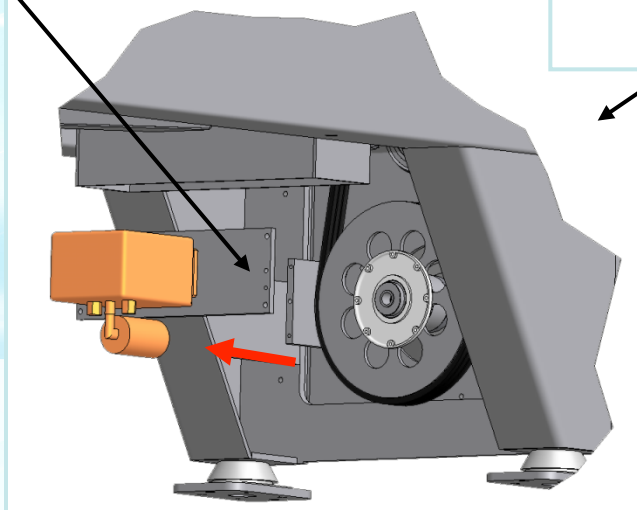


Notch on the sensor

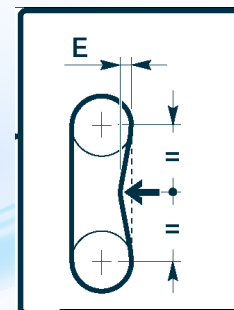
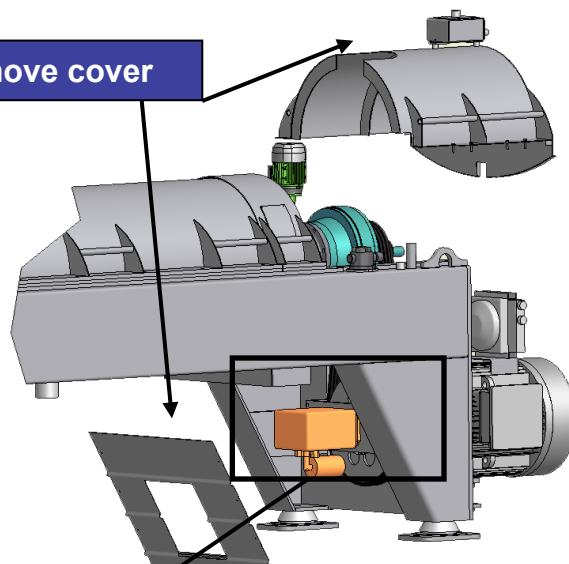
BOWL BELT REPLACEMENT



Remove the pump plate



Remove cover

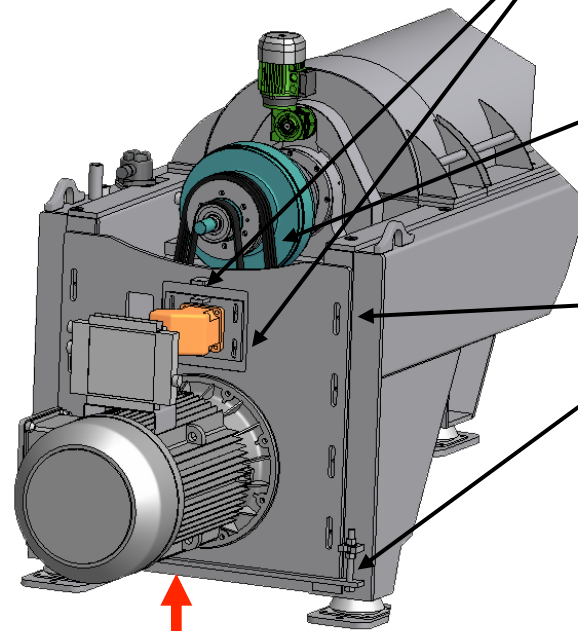


E= 10- 15 mm max

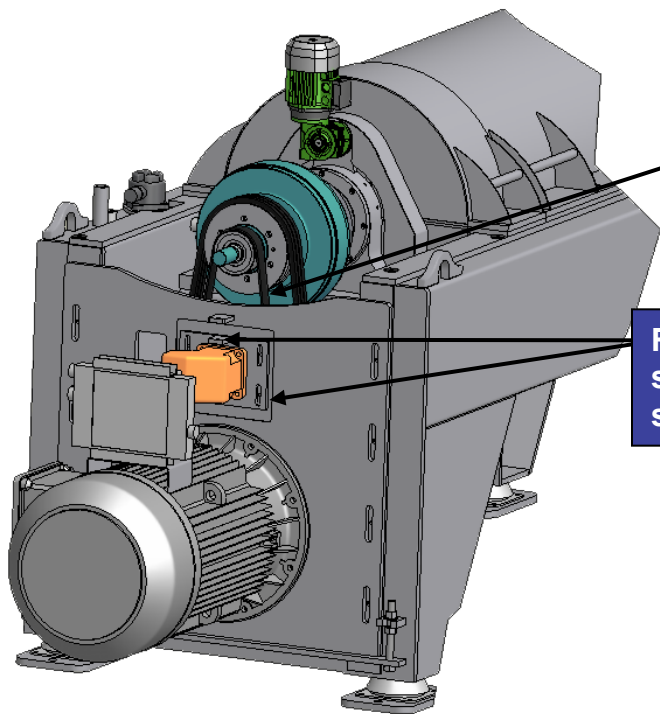
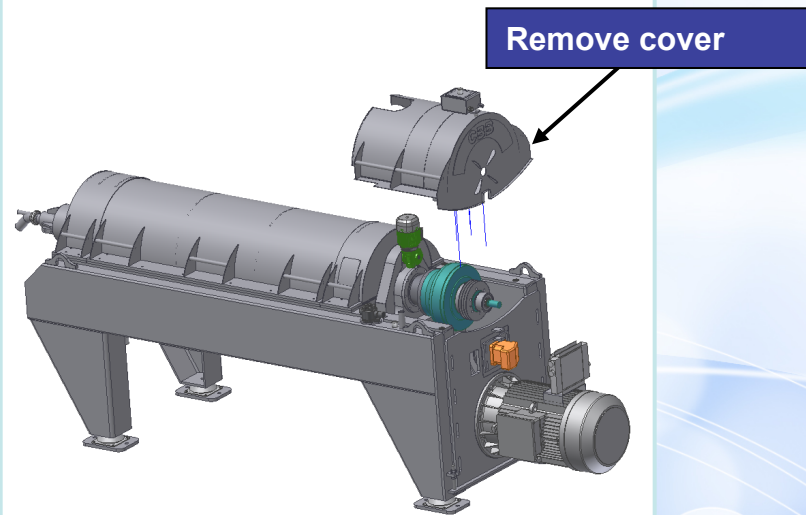
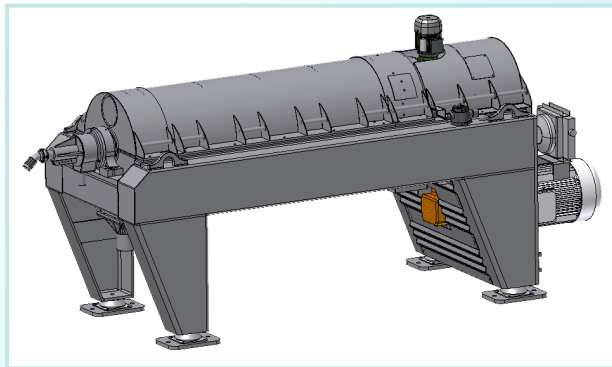
Remove the screw belt before removing the drum belt

Replace drum belts

Remove screws in sequence

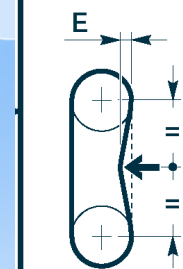


SCROLL BELT REPLACEMENT



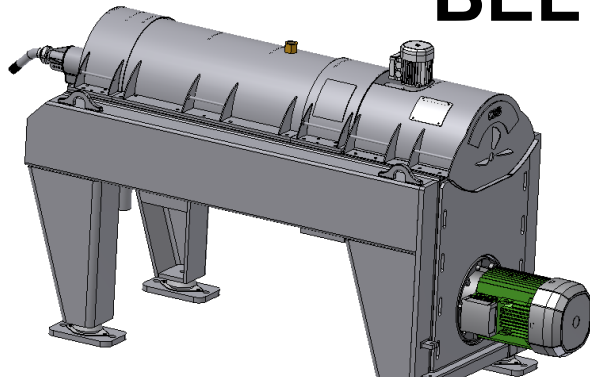
Replace scroll belts

Remove
screws in
sequence

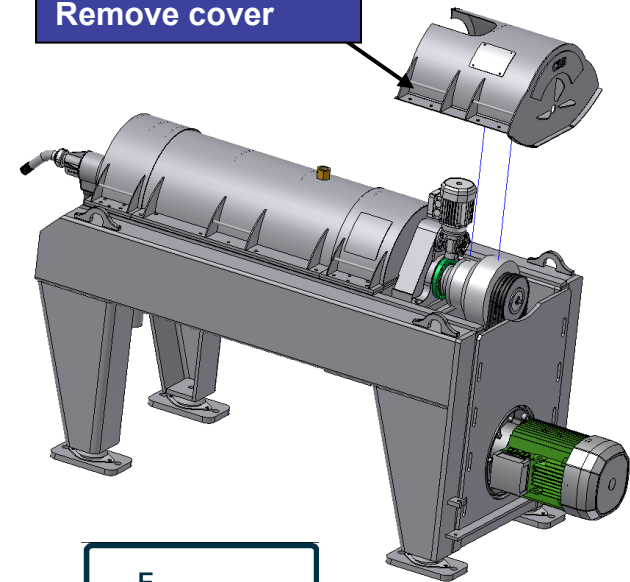


E= 10- 15 mm max

FIXED SPEED DECANTER BELT REPLACEMENT

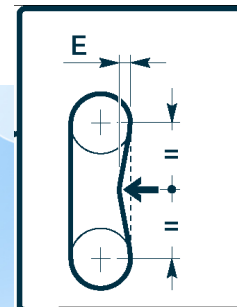
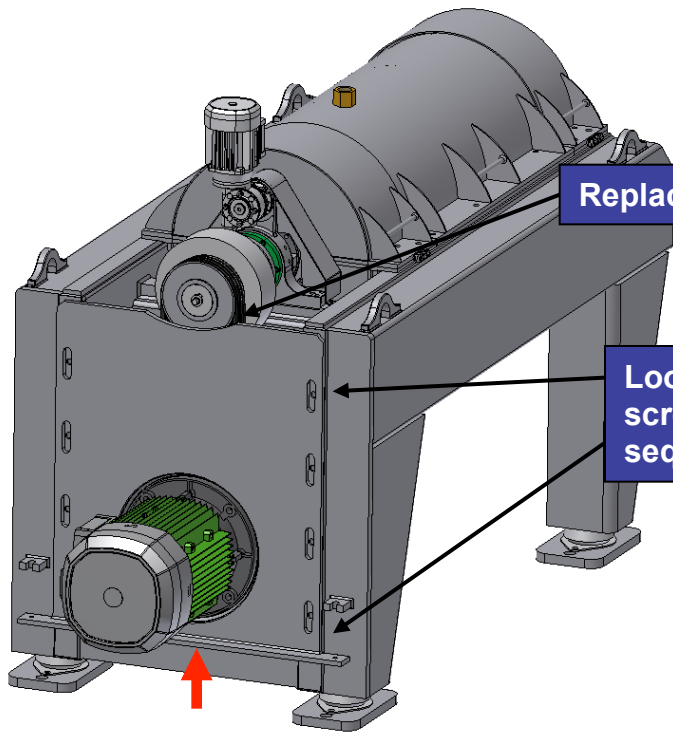


Remove cover



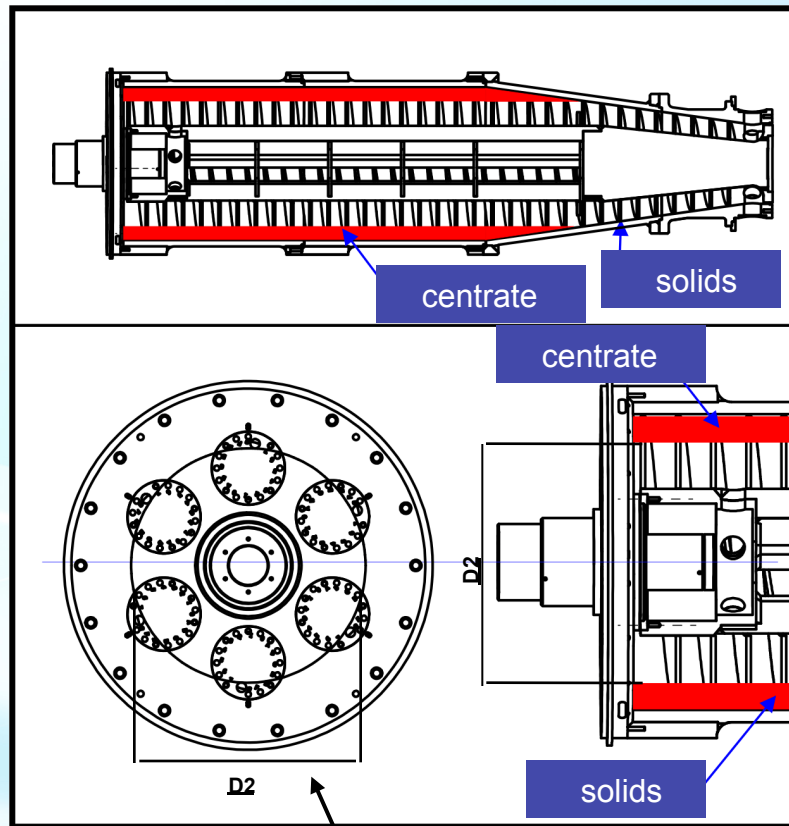
Replace belts

Loosen the
screws in
sequence

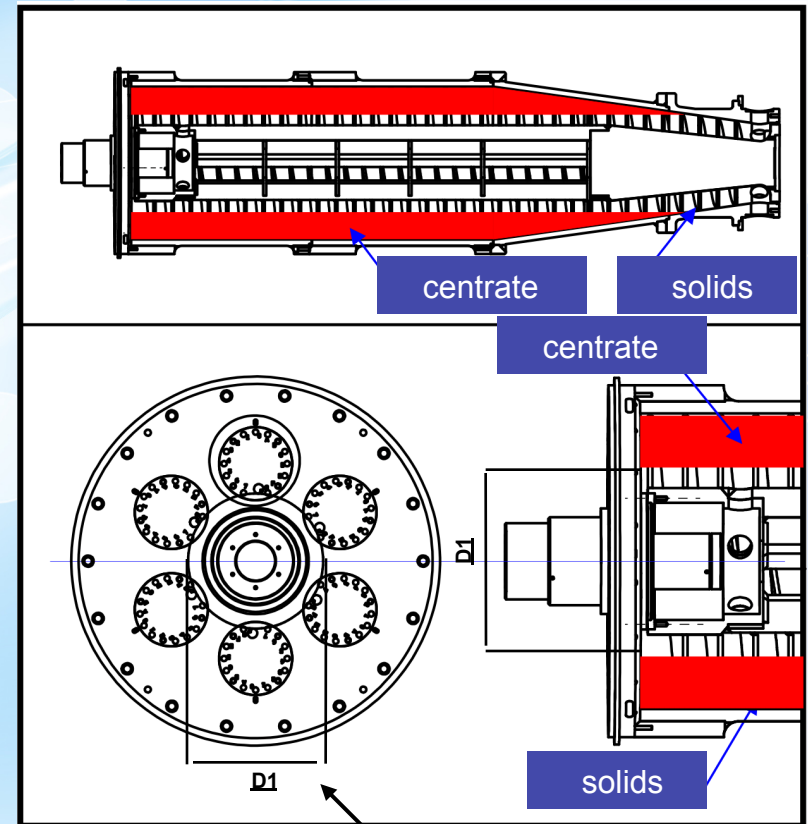


E= 10- 15 mm max

REGULATING THE WEIR PLATE

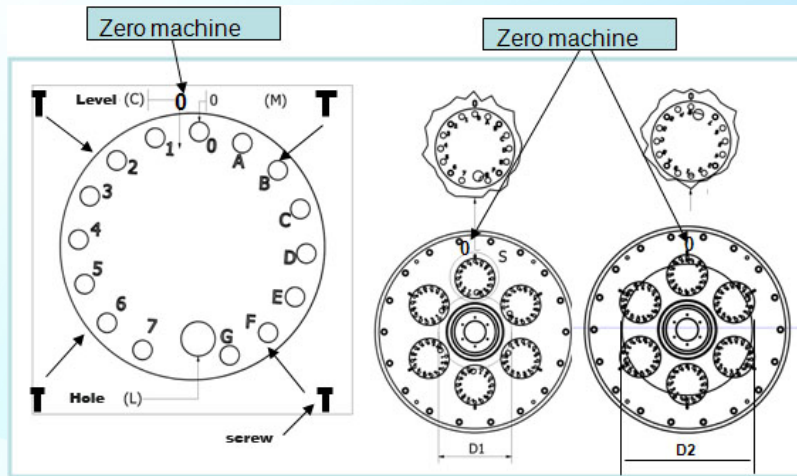


Solids too wet
Increase D

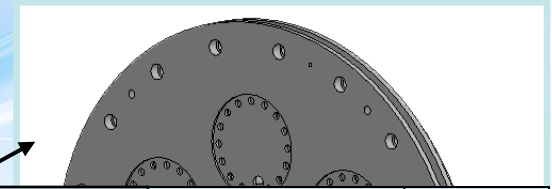
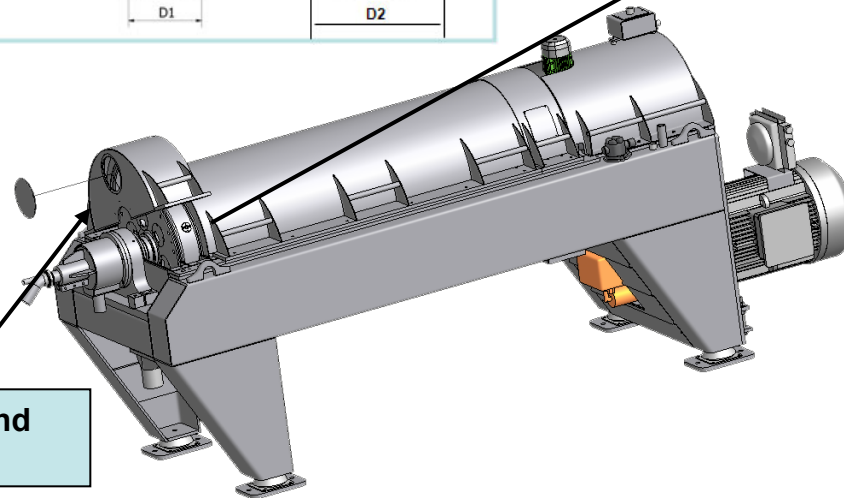


Centrate dirty
Decrease D

WEIR PLATE SETTINGS



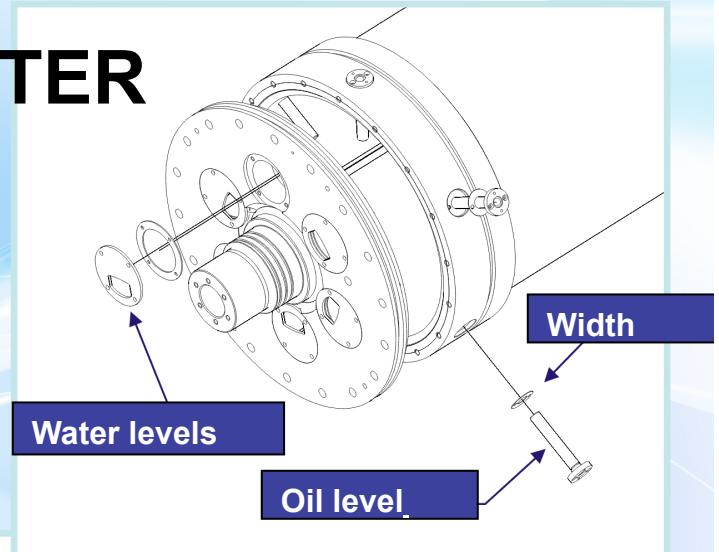
Open the door and lift



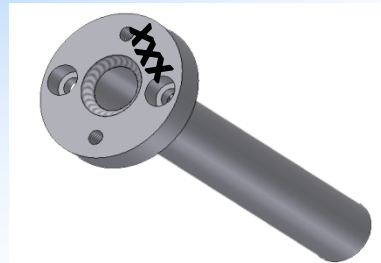
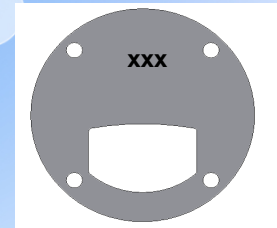
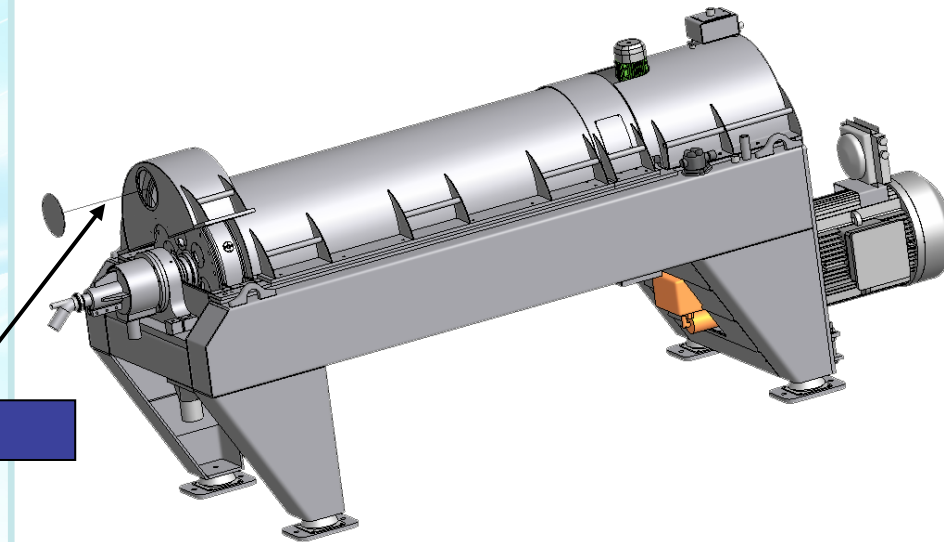
0 machine		
Indice M	Diametro D	
0	228.9	D1 (min)
1	232.2	
A	242.6	
2	251.5	
B	292.2	
3	281.2	
C	302	
4	314.7	
D	335	
5	346.6	
E	Example CD 25	
6	372.9	
F	385.2	
7	391	
D2	397.5	D2 (max)

REGULATING THE WEIRS FOR A 3-PHASE DECANTER

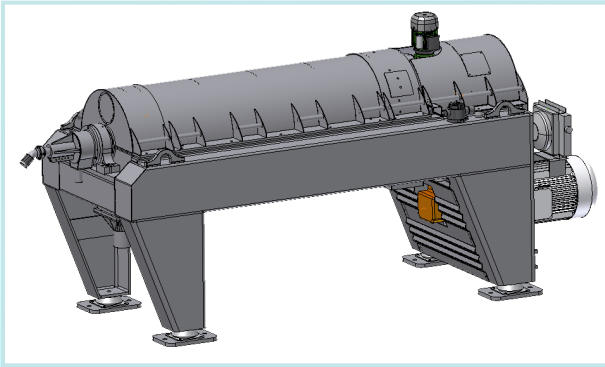
Adjust the
water level in
relation to the
oil level



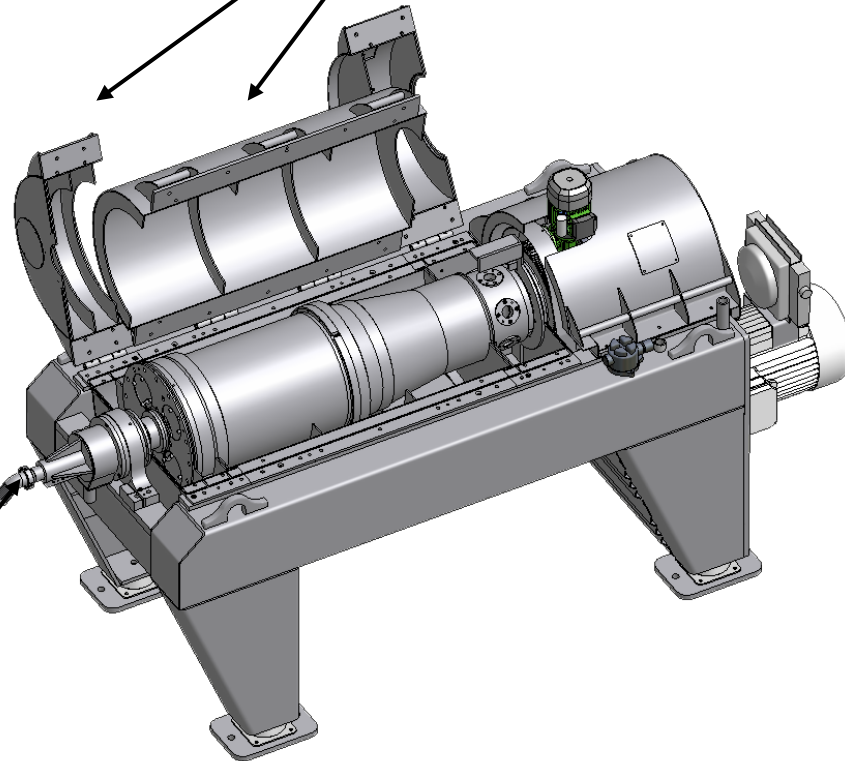
Lift out



EXTERNAL BOWL CLEANING



Open covers



Detach the feed
hose connection

MAINTENANCE SCHEDULE

<i>Frequency</i>	<i>Component description</i>	<i>Action</i>
Every working day	Decanter	Clean
	Drum transmission belts	Check tension
	Scroll transmission belts	Check tension
Every 100 hours	Bearings	Grease
	Scraper	Grease
First time at 500 hours and then every 1500 hours	Filter hydraulic pump	Change
Every 1000 – 1500 hours	Oil hydraulic unit	Change
	Oil filter	Change
First time at 100 hours and then every 300 hours	Greasing gearbox	Grease
Every 1000 – 1500 hours	Oil gearbox	Change
First time at 1000 hours and then every 4000 hours	Oil recirculating gearbox	Change