



Application: Mix Oil 50-60l/min 4bar 20cp 60hz

Customer: Andritz Feed & Biofuel A/S

Pump Selection:

Project: Andritz Mix oil 50-60L_min

Quantity 1

Reference Preben Jensen

Fluid Pumped:

		Mix Oil	Mix Oil
Temperature	°C	40	40
Viscosity	cP	20	20
Vapour Pressure	bar abs	0	0
Particle Type:		No Particles	No Particles
Particle Size	mm	0	0
Flow Rate	l/min	50	60
Inlet Pressure:	bar abs	1,01	1,01
Outlet Pressure	bar	4	4
Differential	bar	4	4
NIPA	bar	1,01	1,01

Pump Selection: - HP44

Speed	rpm	363	412
Speed % Max		36	41
Speed Tolerance	rpm	9	9
NIPR	bar	0,14	0,15
NIPR % NIPA		14	15
Absorbed Power	kW	0,79	0,9
Torque	Nm	20.8	20.9
Differential Pressure	bar	4	4
Pressure % Max		50	50
Maximum Pump Differential	bar	8	

Pump Specification

Pump Head Material: 316L / 1.4404

Bearing House Material: Alloy, Polyester-Epoxy coated

Rotor: Code 9 - Scimitar - 316L / 1.4404

Seal: Code 2, Single SiC/SiC; Hydraulically Balanced

Surface Finish: Standard Machined

Primary Shaft Seals: Rotating element - Silicon Carbide, Stationary element - Silicon Carbide

Secondary Shaft Seals: Rotating element - N/A, Stationary element - N/A

Primary Elastomers: Seal L-cups, quadrings, port joint rings and end-cover O-ring moulded in Viton. Certified to FDA CFR 21, 177.2600; EN1935:2004

Secondary Elastomers: N/A

End Cover: Code 0 - End Cover

Inlet Port: 2 inch Tri-Clamp to ISO2852 / BS 4825 : Part 3

Outlet Port: 2 inch Tri-Clamp to ISO2852 / BS 4825 : Part 3

Additional Information:

Features: Hy~Line Plus Super-Hygienic Rotary Lobe Pump

Displacement - 20,4 l/100 revs

CIP and SIP to EHEDG protocols

Easy maintenance, with front-loading seals

Pump head material - 316L / 1.4404

Pump# and Spare Parts: (order port and foot kit separately)

Model Number:	HP44L-1290VB
Shaft Seal (2 of each per pump)	96080-0597
Elastomer Kit: (1 per pump)	54484-9154B
Temperature Control Jackets (2 per pump)	N/A
Repair Kit	54485-0000B