



Application: Mix Oil 60-100l/min 4bar 20cp 60Hz

Customer: Andritz Feed & Biofuel A/S

Pump Selection:

Project: Andritz Mix oil 60-100L_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 | 60 | 100 |
| 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: - HP54

| | | | |
|---------------------------|-----|------|------|
| Speed | rpm | 237 | 325 |
| Speed % Max | | 24 | 33 |
| Speed Tolerance | rpm | 8 | 8 |
| NIPR | bar | 0,13 | 0,13 |
| NIPR % NIPA | | 13 | 13 |
| Absorbed Power | kW | 1,15 | 1,58 |
| Torque | Nm | 46.4 | 46.5 |
| 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: | 3 inch Tri-Clamp to ISO2852 / BS 4825 : Part 3 |
| Outlet Port: | 3 inch Tri-Clamp to ISO2852 / BS 4825 : Part 3 |
| Additional Information: | |
| Features: | Hy~Line Plus Super-Hygienic Rotary Lobe Pump Displacement - 45,5 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: | HP54L-1290VB |
| Shaft Seal (2 of each per pump) | 96080-0584 |
| Elastomer Kit: (1 per pump) | 54584-9204B |
| Temperature Control Jackets (2 per pump) | N/A |
| Repair Kit | 54585-0000B |