

# Energy Consumption per Engine

**Sotreq**



Customer Case Report

Energy Consumption per Engine		Alfa Laval MMPX-404PGP-11 Centrifuge	C.C.JENSEN CJC® HDU 27/108 Oil Filter, Static
<b>Duration 6 months of operation</b> - Dec 2018-May2019			
Power consumption	kW	2.00	0.18
Engine running hours	hours	3,370	3,370
Total power consumed	kWh	6.740	606
Water consumption (Liter per minute)	ltr/min.	18	0

## REDUCTION achieved by using CJC® HDU 27/108 - over 3,370 hours

Energy saving	kWh	6,133.40
CO <sub>2</sub> reduction	Tonnes CO <sub>2</sub>	1.65
<i>Note(*) Based on 0,27 kg CO<sub>2</sub> / kWh</i>		
<b>Cost advantage:</b>		
Cost per kWh	U\$D	0.18
<b>Total Electricity cost saving</b>	<b>U\$D</b>	<b>1,213</b>

## ANNUAL reductions achieved by using CJC® HDU 27/108

Assumed annual running hours	hrs	6,740
Total power consumption reduced (kWh)	kWh	12,266
Total Electricity cost saving	U\$D	2,208
<b>Total CO<sub>2</sub> saving per 6,740 hours of operation by using a CJC® Oil Filter</b>	<b>Tonnes CO<sub>2</sub></b>	<b>3.30</b>

## Total savings for the vessel when each engine is equipped with CJC® Oil Filter HDU

Annual running hours per engine	hours	6,740
Total power consumption reduced	kWh	24,533
Total Electricity cost saving	U\$D	4,416
<b>Total CO<sub>2</sub> for the vessel per 6740 hours of operation</b>	<b>Tonnes CO<sub>2</sub></b>	<b>6.60</b>