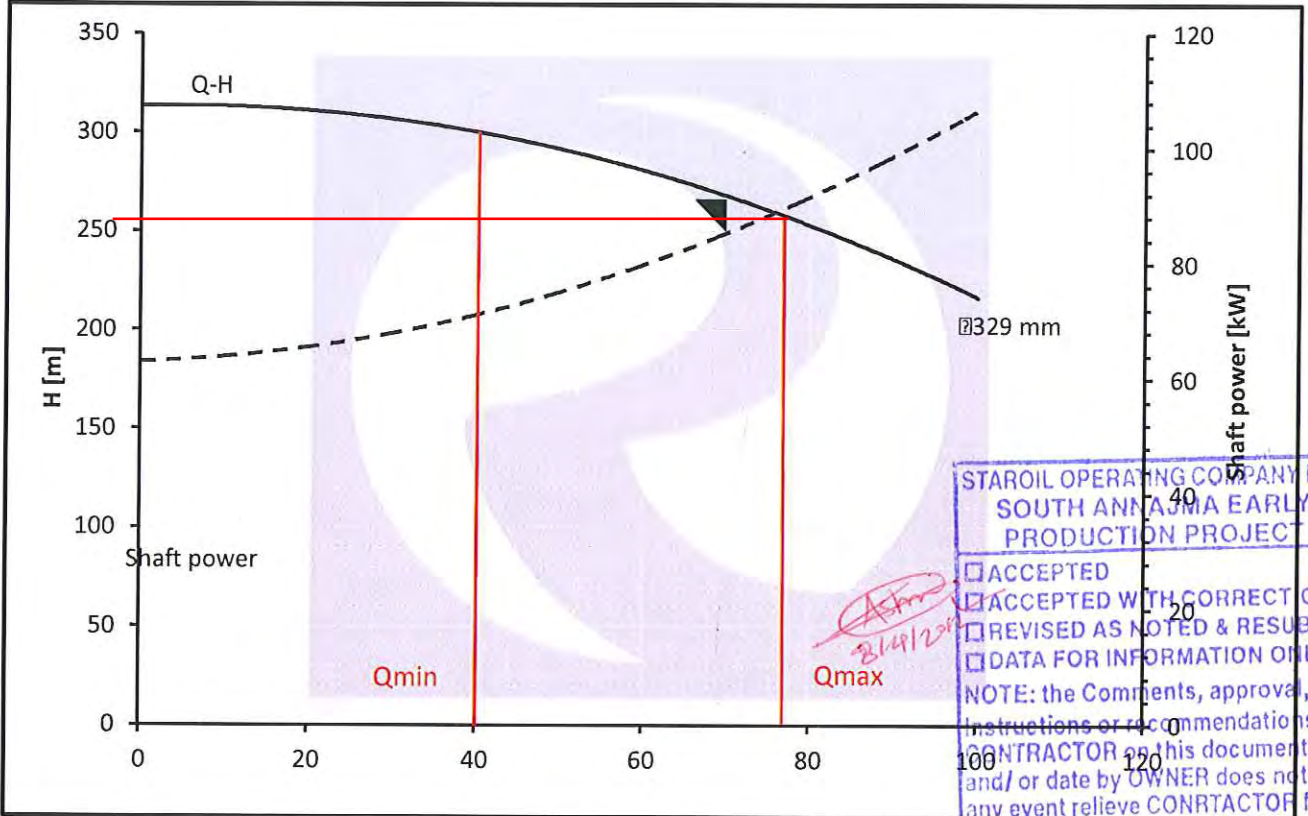


Performance curves

To increase the Pump Efficiency is very low

The best efficiency shall be close to the normal operating point

Pumping unit		CM 50-13			
Quotation Nr.	1039-53-12-r3	Q	70 m ³ /h	Impeller	329 mm
Position Nr.	P1	H	268,2 m	Shaft power	83,6 kW
Speed	2950 rpm	NPSHr	3,1 m	Efficiency	49 %
Medium	according to datasheet	Density	800,5 kg/m ³	Viscosity	8,5 mm ² /s



STAROIL OPERATING COMPANY LTD
SOUTH ANNAJMA EARLY
PRODUCTION PROJECT

ACCEPTED
 ACCEPTED WITH CORRECTION
 REVISED AS NOTED & RESUBMIT
 DATA FOR INFORMATION ONLY

NOTE: the Comments, approval, instructions or recommendations to CONTRACTOR on this document and/or date by OWNER does not in any event relieve CONTRACTOR from any of its Contractual obligations nor does it entitle CONTRACTOR to additional compensation or extension of the CONTRACT Schedule

FOR STAROIL:
 DATE: 8/4/12
 DATE: 8,0

