



AA14FA-035

Rev 0

## MYCOM SCREW GEAR PUMP

## TEST RECORDS

PUMP

TESTED ON: May 16th, 2022

MODEL	M80P-RH01F
SERIAL	M082362
DIR. OF FLOW	RIGHT

## HYDROSTATIC AND GAS LEAK TEST

ITEM	UNIT	HYDROSTATIC	GAS LEAK
TEST PRESSURE	Kg/cm <sup>2</sup>	39.7	26.5
HOLD TIME	min.	15	30
RESULT	-	ACCEPTED	ACCEPTED

## PERFORMANCE TEST

ITEM	UNIT	1	2	3	4	5
REVOLUTION	rpm	1196	1196	1196	1196	1196
LIQUID TEMPERATURE	° C	37	37	37	37	37
OILP PUMP TEMPERATURE	° C	35				
FLOW RATES	sec./300Liters	48.43	49.22	49.89	50.91	-
	Liter/min.	371.7	365.7	<b>360.8</b>	353.6	-
DISCHARGE PRESSURE	MPaG	0.10	0.20	0.30	0.33	0.43
SUCTION PRESSURE	MPaG	0.00	0.00	0.00	0.00	0.00
TOTAL PRESSURE	MPaG	0.10	0.20	0.30	0.33	0.43
THEORETICAL POWER	kW	0.606	1.192	1.764	1.902	-
MOTOR TORQUE	kg.m	1.123	1.671	2.132	2.262	2.650
	N.m	11.01	16.38	20.90	22.18	25.98
BRAKE KILOWATT	kW	1.379	2.051	<b>2.617</b>	2.778	3.254
PUMP EFFICIENCY	%	43.9	58.1	67.4	68.5	-
VISCOSITY	cSt	50				
STD. FLOW RATES	Liter/min.	-	-	<b>348.7</b>	-	-
STD. BREAKE KILOWATT	kW	-	-	<b>3.091</b>	-	-
RESULT	-	-	-	ACCEPTED	-	-

## MILL SHEET

## TEST ITEM(S)

\* CERTIFICATION OF MATERIALS OF CASTINGS (GEAR CASING FOR OIL PUMP AND DRIVE ROTOR + IDLE ROTOR)

## TEST RESULT

ACCEPTED

DATE OF ISSUE: May 17th, 2022

APPROVED BY

*José F. Góngora*