



## WEIGHING REPORT

DATE : 03.04.2023  
 AIRCRAFT TYPE : A320

REGISTRATION: HA-LWL  
 SERIAL NUMBER: 4736

**Result of weighing:**

Pitch attitude ( alpha )	0,1425 °
Reaction force on NLG ( r )	4 411 Kg
Reaction force on MLG LH	18 328 Kg
Reaction force on MLG RH	18 496 Kg
Weighed weight (W)	41 235 Kg
Sin α	0,002487092
Fuel density	0,785 kg/l
Undrainable fuel QTY	51 l
Unusable fuel QTY	81 l

$$\text{Harm} = 20.302 - 2.738 \sin \alpha - 12.713 \times (r+21) / W$$

$$\text{Harm} = 18,929 \quad \text{m}$$

		Weight(KGS)	Harm(m)	Moment(Kgm)	QTY
Aircraft Weight before correction		41 235	18,929	780524,3667	
Correction subtraction	NLG Safety Lock pin	0,090	7,617	0,68553	1
	MLG L/H Safety Lock pin	0,490	20,067	9,83283	1
	MLG R/H Safety Lock pin	0,490	20,067	9,83283	1
	Undrainable fuel	40,035	18,068	723,35238	
Correction addition (unusable fuel)	Outer Tank LH	1,57	20,985	32,94645	2
	Inner Tank LH	10,99	17,867	196,35833	14
	Center Tank	18,055	17,834	321,99287	23
	Inner Tank RH	10,99	17,867	196,35833	14
	Outer Tank RH	1,57	20,985	32,94645	2
	System	20,41	18,703	381,72823	26
<b>Basic corrected weight</b>		<b>41 256,980</b>	<b>18,9287484</b>	<b>780942,9938</b>	

$$\%RC = \frac{\text{Harm} - 17,8015}{0,041935}$$

$$\%RC = 26,88$$

CALCULATED BY:

  
A 399



# WEIGHING REPORT

DATE: 03.04.2023      AIRCRAFT TYPE : Airbus A320      REGISTRATION : HA-LWL  
 SET OF SCALES: AN60-6-00000-5      LOCATION : OSTRAVA LKMT      SERIAL NUMBER : 4736  
 LAST CALIBRATION DATE: 21.10.2022      LATITUDE/AMSL: 49°41'46"N/844ft (257m)      WP: W10720

AIRCRAFT ATTITUDE

Pitch roll  $\alpha = 0.143^\circ$   
 NOTE: NOSE UP (+ $\alpha$ ) / NOSE DOWN (- $\alpha$ )

SUPPORT	S/N	READING WEIGHT (kgs)			WEIGHT (kgs)			
		1st READING	2nd READING	3rd READING	1st READING	2nd READING	3rd READING	
LH NOSE WHEEL	889	2237	2228	N/A	4 410	4 411	N/A	4 411
RH NOSE WHEEL	890	2173	2183	N/A				
RH OUTBD MAIN WHEEL	886	9319	9333	N/A	18 496	18 496	N/A	18 496
RH INBD MAIN WHEEL	881	9177	9163	N/A				
LH INBD MAIN WHEEL	888	9130	9125	N/A	18 327	18 329	N/A	18 328
LH OUTBD MAIN WHEEL	887	9197	9204	N/A				
TOTAL								41 235

Remarks: A/C has been defueled up to the undrainable level, no person on board, all pre-charged fluids drained.

Correction:	Weight (kgs)	Harm (m)
Undrainable fuel	40,035	18,068
Unusable fuel	63,585	18,27995062

EMPTY WEIGHT : 41 235

WEIGHING OPERATOR :

JA 399

CALCULATED BY :

JA 399