



WEIGHING REPORT

DATE: **20.07.2023**
 SET OF SCALES: **AN60-6-00000-5**
 LAST CALIBRATION DATE: **16.05.2022**

AIRCRAFT TYPE : Airbus **A320**
 LOCATION : OSTRAVA LKMT
 LATITUDE/AMSL: **49°41'46"N/844ft (257m)**

REGISTRATION : **LY-LGD**
 SERIAL NUMBER : **4628**
 WP: **W10298**

AIRCRAFT ATTITUDE

Pitch roll $\alpha = -0,0135^\circ$
 NOTE: NOSE UP (+ α) / NOSE DOWN (- α)

SUPPORT	S/N	READING WEIGHT (kgs)			WEIGHT (kgs)			
		1st READING	2nd READING	3rd READING	1st READING	2nd READING	3rd READING	AVERAGE
LH NOSE WHEEL	00890	2238	2378	2315	4 412	4 409	4 408	4 410
RH NOSE WHEEL	00887	2174	2031	2093				
RH OUTBD MAIN WHEEL	00885	9384	9354	9337	18 550	18 564	18 560	18 558
RH INBD MAIN WHEEL	00882	9166	9210	9223				
LH INBD MAIN WHEEL	00884	9173	9234	9253	18 365	18 357	18 361	18 361
LH OUTBD MAIN WHEEL	00886	9192	9123	9108				
TOTAL :							41 329	

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

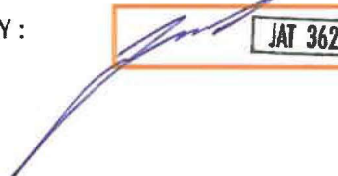
EMPTY WEIGHT 41 329

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

WEIGHING OPERATOR :


 JAT 362

CALCULATED BY :


 JAT 362

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 AIRCRAFT TYPE : A320

REGISTRATION: LY-LGD
 SERIAL NUMBER: 4628

Result of weighing:

Pitch attitude (alpha)	-0,0135 °
Reaction force on NLG (r)	4 410 Kg
Reaction force on MLG LH	18 361 Kg
Reaction force on MLG RH	18 558 Kg
Weighed weight (W)	41 329 Kg
Sin α	-0,000235619
Fuel density	0,785 kg/l
Undrainable fuel QTY	51 l
Unusable fuel QTY	81 l

$$\text{Harm} = 20.29 - 2.738 \sin \alpha - 12.690 \times (r+21) / W$$

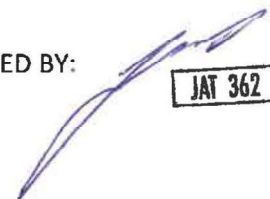
$$\text{Harm} = \mathbf{18,930} \quad \text{m}$$

		Weight(KGS)	Harm(m)	Moment(Kgm)	QTY
Aircraft Weight before correction		41 329	18,930	782360,1489	
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
Basic corrected weight		41 351,147	18,930038	782778,776	

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

$$\%RC = \mathbf{26,91}$$

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