



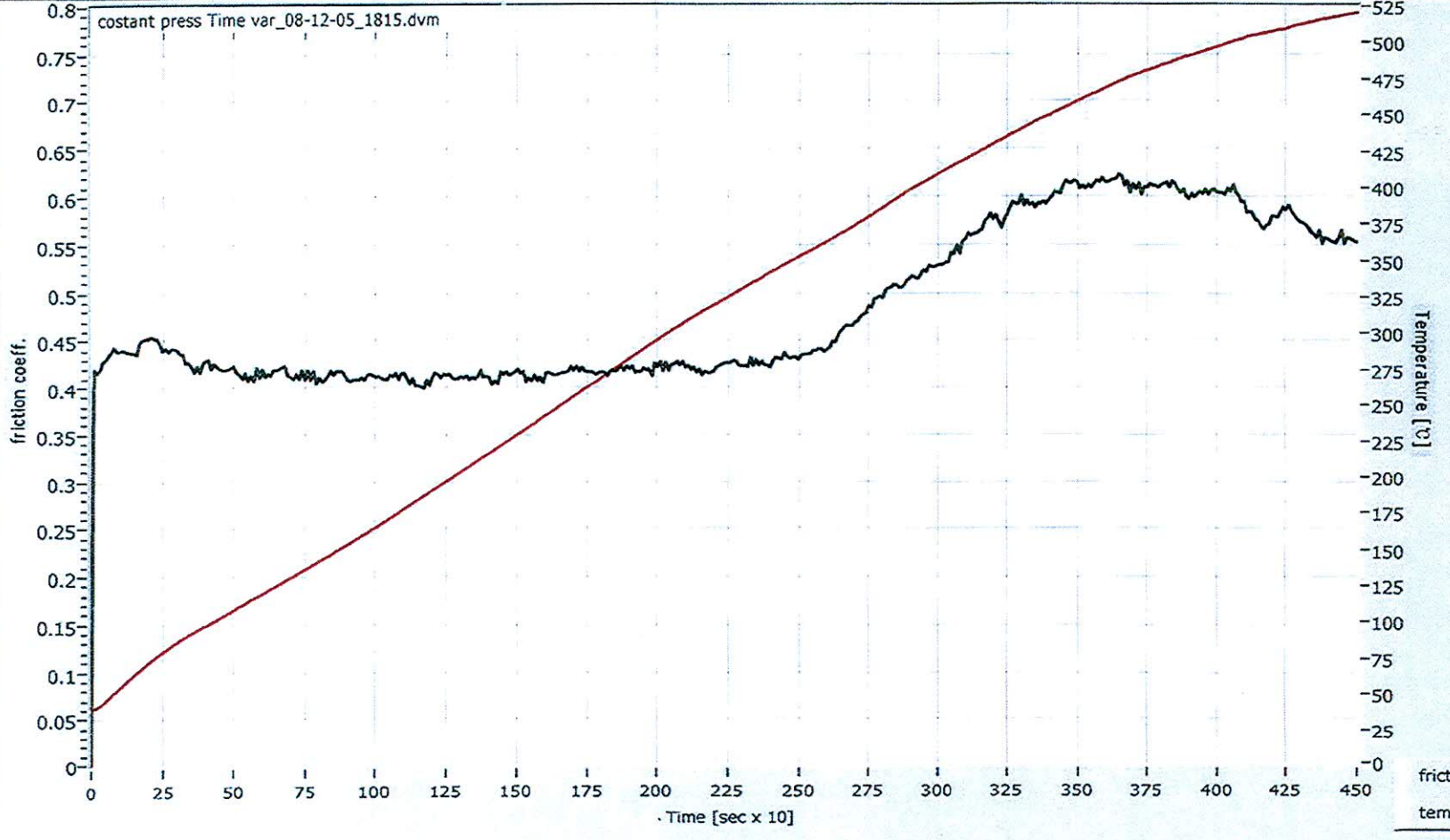
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Material **TB PAD 960944 (WVA 29105)** DATE **05/12/2008** CUSTOMER **EMMERRE srl** CONSTANT PRESS TEST TEST BENCH LINK'S WORKING SYSTEM
 Lot **KC 7.4 S001-09-08 M3 - N3 - 04** Operator **sm** TEST **FADE / Constant press**

MASS [g]		THICKNESS [mm]				average
INITIAL	14.78	INITIAL	7.80	7.83	7.85	7.827
FINAL	14.32	FINAL	7.56	7.61	7.63	7.600
LOSS	0.460	LOSS	0.240	0.220	0.220	0.227
LOSS%	3.112	LOSS%				2.900

MAX FRICTION COEFFICIENT: **0.62**
 MED FRICTION COEFFICIENT: **0.43**
 HOT FRICTION COEFFICIENT: **0.55**

TOTAL WORK [MJ] **4.88 [MJ]**
 TOTAL WORK [Kgm] **497939 [Kgm]**
 SPECIFIC WEAR [cm³/10⁶ Kgm] **0.30**
 AVERAGE TORQUE [N/m] **44.57 [N/m]**



Specific Gravity [g/cm3] **3.009**
 Hardness SHORE D **79 HRL**
 T°C max **521**

Test Speed : **415 [r.p.m.]**
6 [m/s]
 Press Force **664[N]**
102 [N/cm2]

Note:
 ALLEGATO 3

friction
 temperature

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Ricambi Veicoli Industriali Spare Parts for Trucks & Bus Pieces Détachées pour V.I.

UNI EN ISO 9001 : 2000

TRANSLATION OF THE PREVIOUSLY ILLUSTRATED GRAPHIC

As can be seen from the laboratory graphic, our brake pads under the trademark *TECHNOBRAKE* homologated *ECE R90 E3* have a great hot friction coefficient and a good wear coefficient too.

The red curve represent the temperature, the black curve determines the coefficient of friction (braking). With the temperature increase it can be seen that the friction raises starting from 300 degrees centigrade.

At the maximum temperature of 525 degrees centigrade, which a truck hardly reaches, our coefficient of friction is equal to 0.55 (excellent performance).