

FINAL PRODUCTS OUTPUT (Treatment of 10 t of Waste Tires):

1	Synthetic fuel (pyrolysis oil)	35-45%
2	Pyrolysis gas	Up to 20%
3	Carbon black	20-30%
4	Metal cord	Up to 15%

ANALYS REPORT OF PYROLYSIS OIL

	Test		Method	Fact
1	Density at 15°C	G/ml	EVS-EN ISO12185	0,8652
2	Water by distillation	mass %	ISO3733	<0,1
3	Total Sediments existent	mass %	ISO 10307-1	0,01
4	Ash	mass %	ISO6245	0,010
5	Flash Point PMCC	°C	EVS-EN ISO 2719	<40,0 (for info only <13)
6	Pour Point	°C	EVS-EN ISO 3016	←-36
7	Kinematic viscosity at 50°C	Mm2/s (cSt)	EVS-EN ISO 3104	1,520
8	Sulphur	mass %	EVS-EN ISO 8754	0,64
9	Calorific value	MJ/kg	ASTM D4868	net 42,32 gross 45,05

ANALYS REPORT OF CARBON BLACK

	Description	Number	
1	Total moisture	0.5%	
2	Ash in dry	17.2%	
3	Ash as received	17.1%	
4	Volatile matter in dry	7.4%	
5	Volatile matter as received	7.3%	
6	Gross calorific value in dry	7022 kcal/kg	
7	Gross calorific value as received	6988 kcal/kg	
8	Net calorific value as received	6838 kcal/kg	
9	Sulphur in dry	0.94%	
10	Sulphur as received	0.94%	
11	Size analysis by sieving	+1.7 mm	0.4%
		1.7 – 1.0 mm	1.0%
		1.0 – 0.5 mm	11.7%
		0.5 – 0.125 mm	44.3%