

NAME: **REPLACEABLE FILTER ELEMENTS****1. INTRODUCTION**

The Guideline is obligatory for the TEDOM engines under warranty.

This Guideline specifies the recommended replaceable filter elements for spare parts:

1. Air filter
2. Fuel filter
3. Oil filter
4. Oil separator

**2. AIR FILTER CLASSIFICATION:**

1. The filter element is the same for the SANDRIK SPP 1200 L air filters of the outlet diameter of  $\varnothing$  100 mm and  $\varnothing$  140 mm:
  - MANN+HUMMEL V13 (975 595 5034)
2. There are two filter elements in the SANDRIK SPP 1500 RS air filter:
  - MANN+HUMMEL V13 (975 595 5034)
  - MANN+HUMMEL VS13 (975 565 5012)

**3. FUEL FILTER CLASSIFICATION:****I.) Diesel filter:**

*More detailed application of the diesel fuel filters is specified by Guideline 61– 0–0293 FUEL FILTERS FOR TEDOM DIESEL ENGINES.*

Diesel pump is equipped with the coarse-meshed filter below:

- BOSCH 1457434000 N 4100 (Fig.1a)

Diesel engine fuel filters are classified into the following two groups:

a) *Single-stage filters* (Fig.1b)

Approved single-stage fuel filters:

- MANN FILTER WK 940/5
- FLEETGUARD FF231

b) *Two-stage filters* (Fig.1c)

The approved elements of the two-stage filters:

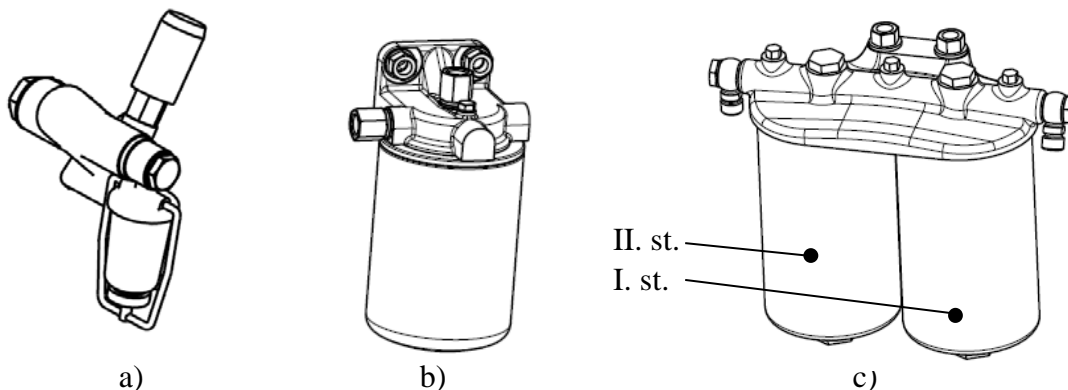
Stage One:

- UNICO PH4 OTO order no. 62716156
- MANN FILTER P929/1

Stage Two:

- UNICO PJ4 OTO order no. 62716148
- MANN FILTER P925/2

				WRITTEN BY: Ing. Tomáš Tuch
				TESTED BY:
				APPROVED BY: Ing. Jiří Čapek
				DATE: March 24, 2016
				<b>TEDOM a.s., Engines Division</b>
CHANGE	DATE	IND.	SIGNATURE	



**Fig. 1 Diesel filter elements**

**II.) CNG filter:**

**CAUTION - The CNG fuel system is under high pressure (250 bar). Gas leakage from the high-pressure line and fuel system components can be very dangerous. Before starting any works on the CNG system, close the relevant gas lock and let out a complete pressure from the system.**

**a) For Euro 5:**

The replaceable filter element for the engines that meet the Euro 5 standard:

Replaceable set	Clean Air Power 700002
-----------------	------------------------

**b) For Euro 6:**

The replaceable parts for each filter replacement in the engines that meet the Euro 6 standard:

Filter	Omnitek 20 060 011
Seal	Omnitek 20 060 111

**4. OIL FILTER CLASSIFICATION:**

Oil filters are classified into three groups. Only the filters in specific group are exchangeable. Filters of various groups cannot be mutually exchanged. The filter elements for specific engine according to the engine spare parts catalogue.

**Tab. 1 Oil filter classification**

Oil filters		
Group 1	Group 2	Group 3
TEDOM 7085 501	TEDOM 7085 502	TEDOM 7085 503
FLEETGUARD LF 4112	FLEETGUARD LF 3658	FLEETGUARD LF 9667
MANN HUMMEL W 11 102		
BALDWIN B218		

The oil filter replacement intervals are specified by the Guidelines below depending on the engine type:

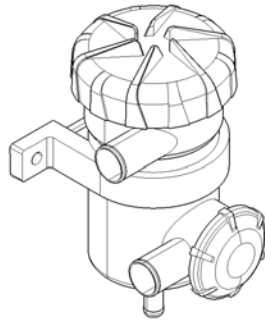
- 61-0-0258 ENGINE OIL CHARGES FOR TEDOM DIESEL ENGINES
- 61-0-0263.2 ENGINE OIL CHARGES FOR TEDOM M1.2 A,B ENGINES PART 2-GASEOUS FUEL ENGINES
- 61-0-0281.1 ENGINE OIL CHARGES FOR TEDOM STATIONARY GAS ENGINES
- 61-0-0281.2 ENGINE OIL CHARGES FOR TEDOM MOBILE GAS ENGINES

**5. OIL SEPARATOR CLASSIFICATION:**

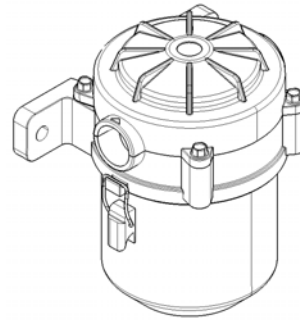
Two oil separator types are used for the TEDOM engines:

**Tab. 2 Oil separators**

<b>Fig.</b>	<b>Designation</b>	<b>Separator element number</b>
2a)	MANN+HUMMEL ProVent 200	LC 5001 X
2b)	RacorCCV4500	CCV55248-08



a)



b)

**Fig. 2 Oil separator**