

NAME: ENGINE OIL CHARGES FOR MOBILE GAS TEDOM ENGINES

1. DETERMINATION OF THE SCOPE OF VALIDITY

This Regulation covers motor oil charges specified for mobile gas TEDOM engines combusting natural gas or the propane-butane mix.

2. APPROVED ENGINE OILS

2.1 APPROVED ENGINE OILS OF GROUP 1P

MADIT GAS	SAE 15W - 40
MOL DYNAMIC GAS SUPER	SAE 15W - 40
MOBIL PEGASUS 1	SAE 15W - 40
OMV MULTIGAS	SAE 15W - 40
PARAMO MOGULGAS	SAE 15W - 40
PRISTA MULTIGAS HD	SAE 15W - 40
RAVENOL MGS	SAE 15W - 40
SHELL RIMULA R3 NX	SAE 15W - 40
Q8 MAHLER T	SAE 15W - 40

2.2 APPROVED ENGINE OILS OF GROUP 2P

3. PERIODICITY OF ENGINE OIL REPLACEMENT

Oil must always be replaced in the following cases:

- after 5000 km in case of the first charge
- once a year as a minimum
- after the number of km shown in the item 3.1
- if the limit values shown in the item 4 are exceeded
- in case of coolant leak into the oil

3.1 PERIODICITY OF ENGINE OIL REPLACEMENT IN [KM]

Periodicity of oil replacement (km) for the oil group	
1P	2P
40 000	60 000
PRISTA MULTIGAS HD – 25 000	

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4. LIMIT ENGINE OIL VALUES

Kinematic viscosity (40°C)	min.-10, max.+15 [mm ² /s]	ČSN EN ISO 3104, (ČSN 65 6216)
TBN	>50% of fresh oil, min.>2 [mg KOH/g]	ISO 3771, ČSN 65 6069
TAN	value of fresh oil +2.5 [mg KOH/g]	ASTM 664, ČSN 65 6214
pH	min. 4.5	
Fe	max. 60 ppm	DIN 51 391 ASTM D5185
Pb	max. 20 ppm	
Cu	max. 23 ppm	
Si	max. 15 ppm	
Glycol	max. 0.02%	DIN 51375
Water	max. 0.2%	DIN 51 777, ČSN EN ISO 9029 (ČSN 65 6062)

5. CHARACTERISTIC FEATURES OF APPROVED OILS

Oil	Viscosity SAE	Sulfate ash [weight %]	TBN [mg KOH/g]	Viscosity [mm ² /s]	
				40°C	100°C
MADIT GAS	15W-40	0.48	5.3	98.8	14.7
MOL DYNAMIC GAS SUPER	15W-40	0.84	8.3	102.9	14.1
MOBIL PEGASUS 1	15W-40	0.51	6.5	93.8	13.0
OMV MULTIGAS	15W-40	1.05	9.1	105	14.3
PARAMO MOGULGAS	15W-40	0.5	5.0	107.8	14.9
PRISTA MULTIGAS HD	15W-40	0,8	8	103	14,0
RAVENOL MGS	15W-40	1,1	9,0	97,5	13,4
SHELL RIMULA R3 NX	15W-40	0.82	7.8	102.2	13.9
Q8 MAHLER T	15W-40	0.9	6.9	102.4	13.9

6. STOICHIOMETRIC ENGINES OILS

Oils with sulphate ash less than 0,55 (weight %) are required for stoichiometric engines.

7. PERIODICITY OF OIL CLEANER CHANGE

Replacement of the approved full-flow oil cleaner or cleaner element is carried out always during oil change.

8. APPROVED OIL CLEANERS AND CLEANER ELEMENTS

Element - Cleaner
Cleaner element MANN FILTR JIPAP O 11 OTO
Cleaner element MANN FILTR JIPAP H 1173/1
Cleaner element FILTRON OM 501
Cleaner TEDOM 7085 501
Cleaner TEDOM 7085 502
Cleaner FLEETGUARD LF 3658
Cleaner FLEETGUARD LF 4112
Cleaner MANN HUMMEL W 11 102
Cleaner BALDWIN B218

Specific type of the cleaner or cleaner element for each individual engine is shown in the Spare Part Catalogue and in the Operation Manual.

9. CENTRIFUGAL CLEANER CLEANING

Cleaning of the centrifugal oil cleaner is carried out always during oil change.