



**ОБЗОР ПРИМЕНЕНИЯ МАСЕЛ SENTRON
В ДВИГАТЕЛЯХ, РАБОТАЮЩИХ НА
ПРИРОДНОМ ГАЗЕ**



DEUTZ

1. Испытания проведены на предприятии на двух двигателях, время работы 10.000 часов.
2. Временное одобрение возможно после 2000 часов для 20 двигателей, основанных на элементном анализе.
3. Трудности при подборе двигателя для испытаний.

Petro-Canada Europe Lubricants Ltd.
19, Avenue Mackay, Roubaix Cedex
Warrick, Warrickshire
CV3 9TA, United Kingdom

3rd December 2009

**TO ALL GAS ENGINE OPERATORS, OEMs,
INSTALLERS, SERVICE & MAINTENANCE
COMPANIES**

Dear Sirs,

Petro-Canada Lubricants confirms that in November 2009 our SENTINEL range of Natural Gas Engine Oils were re-branded to SENTRON.

We can confirm that this change affected the brand only. The SENTRON brand involved no formulation changes to SENTINEL branded products that were previously approved by various gas engine manufacturers.

For example, SENTINEL 445 was re-branded to SENTRON 445. This brand change involved no formulation changes and consequently where SENTINEL 445 is referenced in OEM approval documentation, the product is supplied today under the brand SENTRON 445.

If you require any further information regarding Petro-Canada's SENTRON range of Natural Gas Engine Oils please contact your local Petro-Canada Distributor.

Yours faithfully,
John Clift

John Clift
Technical Manager
Petro-Canada Europe

Письмо о ребрендинге (SENTINEL в SENTRON)

Lube Oil Table DEUTZ Gas Engines		Endorsement 1 to TF 01 000-00-2105 5 th Exchange 10/2003					
Lube oils for gas engines operating with all types of low contaminated gases							
Manufacturer	Type of Gas Oil	Viscosity @40°C	Base oil	Surfactant level per litre	Total Ashes (%TBN) (%SPO) (%SPO2)	Viscosity @100°C	
DEUTZ	DEUTZ DR 90-90 L.A.	50	Mineral	0.43	5.7	106.0	14.8
ARVAL AG	Engasol L.A.	50	Mineral	0.45	4.5	101.0	10.7
BP AG	Engasol [®] G50 500	50	Mineral	0.48	4.5	107.0	13.1
CEPSA	Progas 500	50	Mineral	0.20	4.8	105.0	13.8
Esso/Mobil	Engasol [®] GPC	50	Mineral	0.45	5.5	104.0	14.4
	Progas 500	50	Mineral	0.45	5.5	105.0	15.0
	Progas 500	50	Mineral	0.45	5.5	110.0	15.1
	Progas 500	50	Mineral	0.45	5.5	105.0	15.2
	Progas 500	50	Mineral	0.50	5.5	110.0	15.7
FFV/Shell/Esso	Progas 500-90 L.A.	50	Mineral	0.45	5.7	106.0	14.3
Frontal Petroleum	GS Gasol SA	50	Mineral	0.40	5.5	111.0	15.0
Frontal-Canada	Gasol [®] 445	50	Mineral	0.43	4.7	107.0	13.0
Repsol	Repsol Gas 50	50	Mineral	0.40	6.0	106.0	13.0
Shell	Repsol Gas 50	50	Mineral	0.20	5.5	111.0	15.0
Shell	Amoco L.A.	50	Mineral	0.43	5.0	106.0	15.0
	Repsol Gas 50	50	Mineral	0.45	5.5	111.0	15.1
TOTAL PETROLIF	ET Lubricants 500-90	50	Mineral	0.35	5.8	105.0	15.0
	ET Lubricants 500-90	50	Mineral	0.40	5.5	105.0	15.0
	FRM Gasolite [®] 500	50	Mineral	0.40	5.5	105.0	15.1
IPACAD	GEPTROLA	50	Mineral	0.45	5.5	105.0	15.0
	GEPTROLA	50	Min. ester	0.35	5.4	99.0	13.0
MIRA Chemicals	Frontal [®] 500	50	Super	0.45	6.0	105.0	15.7

Табель масел рекомендованных для испытаний на двигателях DEUTZ

Endorsement 1 to
TF 01 000-00-2105
5th Exchange
10/2003

MWM GmbH
Ludwigshafen
68161 Mannheim
Postfach 101553
D-68101 Mannheim
Germany
www.mwm.com

Dear Sirs,

Approval Trial
Petro-Canada
Sentinel 445
MWM Deutz TRD 620V16K
25-2-2009

35 Ludlow Road
Mississauga Ontario
Canada L5L 2Y3

04.03.2009

Gasengine: lubecol Petro-Canada Sentron LD 5000

Dear Mr. Mark,

The above mentioned lube oil is not listed in the actual Technical Circular for MWM gas engine lube oils, because the field trials are not finished today.

After successful field trials over some hours and monitoring of the oil condition, MWM GmbH plans to increase the number of hours up to 20 with this new product.

Due to the experiences from the field test, we do not expect any problems with the

Petro-Canada Sentron LD 5000

MWM GmbH has to be informed about the plans which are connected with this lube oil.

Furthermore the requirements of our Technical Circular TR 6199-00-2105 and the Technical Product Information TP 1111-00-01 have to be followed.

Kind regards,
MWM GmbH

J. Müller
Karl Seifried

U. K. Rasmussen
Karl Seifried

Approved by: [Signature]

Approved by: [Signature]

Approved by: [Signature]

Approved by: [Signature]

Письмо о проведении испытаний на двигателях MVM (DEUTZ)

Approval Trial
Petro-Canada
Sentinel 445
MWM Deutz TRD 620V16K
25-2-2009

Approved Trial Report
MWM Deutz TRD 620V16K
Ludlow Valley

25-02-09
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Результаты испытаний SENTRON на двигателях MVM (DEUTZ)

Approval Trial
Petro-Canada
Sentinel 445
MWM Deutz TRD 620V16K
Ludlow Westsiden
22-1-09

Approved Trial Report
MWM Deutz TRD 620V16K
Westsiden

29-02-09
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