

Data Sheet - ATF for DIWA Transmissions

1) General Data

Product Marketer	TEDEX SA
Product Brand Name	Tedex ATF Synthetic (S)
Unique oil code	TATFS (S) Ifim
Rebrand of	
Reblend of	IM1205361-A
GM-Dexron License Number in case of Rebrand/Reblend GM-Dexron License No. of Original	
Mercon License Number in case of Rebrand/Reblend Mercon License No. of Original	
Market region	<input checked="" type="checkbox"/> Europe <input type="checkbox"/> North America <input checked="" type="checkbox"/> Asia <input checked="" type="checkbox"/> Africa <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Oceania

2) Contents

	Mass %	API Group	Supplier and Code	Kin. Visc. @ 100°C
Base oil 1	49,8	III	Nexbase 3080	7,84 mm ² /s
Base oil 2	40	IV	PAO 4	4 mm ² /s
Base oil 3				mm ² /s
Base oil 4				mm ² /s

	Mass %	Type	Supplier and Code
Additive 1	10,2	DI/VI	Infineum T4579
Additive 2			
Additive 3			
Additive 4			

Mass sum 100 must be 100

Phosphorus	P	166 ppm	Sodium	Na	<1 ppm
Boron	B	66 ppm	Barium	Ba	<1 ppm
Calcium	Ca	6 ppm	Potassium	K	<1 ppm
Silicon	Si	3 ppm	Magnesium	Mg	1 ppm
Zinc	Zn	3 ppm	Molybdenum	Mo	<1 ppm

3) Physical Properties

<u>Kinematic Viscosity @ 40°C</u>	DIN 51562	39,35	mm ² /s
<u>Kinematic Viscosity @ 100°C</u>	DIN 51562	7,208	mm ² /s
<u>Viscosity Index</u>	DIN ISO 2909	148	-
<u>Brookfield Viscosity @ -40°C</u>	DIN 51398	15760	mPa·s
<u>Density @ 15°C</u>	DIN 51757	842,9	kg/m ³
<u>Pour Point</u>	DIN ISO 3016	-55	°C
<u>Flash Point</u>	DIN EN ISO 2592	234	°C
<u>Fire Point</u>	DIN EN ISO 2592	260	°C
<u>Total Acid Number</u>	ASTM D 664	0,68	mg KOH/g

4) Test Results

FZG-Test A/8,3/90 - Scuffing Load Capacity

<u>Failure Load stage</u>	DIN 51354	12	KS FAIL
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Shear stability

<u>KV100 after 20 h KRL @ 60°C</u>	DIN 51350-6 – KRL/C	6,9	mm ² /s
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Compatibility with Sealing Material

DIN ISO 1817 (Freudenberg-Test)

Change of Volume and Hardness with ACM and FPM after 168 h @ 95°C and 150°C

Test pieces Ø 36mm, thickness 2 mm

ACM 80	168 h / 95°C	168 h / 150°C
<u>Change of Shore Hardness</u>	-3	1
<u>Change of Volume</u>	3.1 %	2.4 %
FPM 80	168 h / 95°C	168 h / 150°C
<u>Change of Shore Hardness</u>	-2	1
<u>Change of Volume</u>	2 %	2 %
75 FKM 585 (Freudenberg)	168 h / 95°C	168 h / 150°C
<u>Change of Shore Hardness</u>	-1	1
<u>Change of Volume</u>	1.5 %	1.7 %

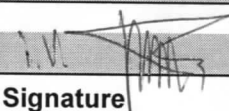
5) IR-Diagram

Diagram in transmittance layout to be enclosed.

6) Sample

ONLY for approvals for North America a 1 pint sample to be sent to Voith Turbo Inc. USA (see 8).

7) Contact Person

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Address	TEDEX SA ul. Człuchowska 68 A 01-360 Warszawa Polen
Date	06.10.2017
Signature	

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Biuro Handlowe w Szczecinie
70-704 Szczecin, ul. Zwierzyniecka 18
NIP 944-15-06-727 Regon 351189439

8) Contacts Voith

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9) General Conditions

If the approval is granted the product will be added to the respective Voith approval list. The approval is limited to 24 months. For re-approval the ongoing production and marketing of the product has to be re-confirmed by signed letter sent to Voith prior to expiration. The approval can be withdrawn by Voith at any time without stating any reason. Any change of the product has to be indicated immediately and will terminate the approval.

Approval

Product Marketer TEDEX SA
Product Brand Name Tedex ATF Synthetic (S)
Unique oil code TATFS (S) Ifim

Not Approved

Approved for

Voith Approval List

H55.6335.xx - Standard Drain Intervals

H55.6336.xx - Extended Drain Intervals

US SB 013/118 - Standard Drain Intervals

US SB 013/118 - Extended Drain Intervals

Approval Date 2017-10-11

Expiration Date 2019-10-10

Name Dr. Burr / Mr. Mondorf


Signature 

Re-Approval

Re-Approval Date 2019-10-09

Expiration Date 2021-10-08

Name i. V. Bischoff / i. A. Dittes

Signature 

Re-Approval Date 2021-10-15

Expiration Date 2024-10-14

Name i. V. Dr. Kaufmann / i. A. Dittes

Signature 

Re-Approval Date _____

Expiration Date _____

Name _____

Signature _____

Re-Approval Date _____

Expiration Date _____

Name _____

Signature _____

Re-Approval Date _____

Expiration Date _____

Name _____

Signature _____