

**Data Sheet - ATF for DIWA Transmissions**

**1) General Data**

Product Marketer	ADECO
Product Brand Name	ATF DEXRON IID
Unique oil code	OS175291
Rebrand of	
Reblend of	
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 type="checkbox"/> * Europe <input type="checkbox"/> North America <input type="checkbox"/> Asia <input type="checkbox"/> Africa <input type="checkbox"/> South America <input type="checkbox"/> Oceania

**2) Contents**

	Mass %	API Group	Supplier and Code	Kin. Visc. @ 100°C
Base oil 1	49	I	ExxonMobil 100N	4,04 mm <sup>2</sup> /s
Base oil 2	40,1	I	ExxonMobil 150N	5,1 mm <sup>2</sup> /s
Base oil 3				mm <sup>2</sup> /s
Base oil 4				mm <sup>2</sup> /s

  

	Mass %	Type	Supplier and Code
Additive 1	10,9	DI package	Lubrizol 7907
Additive 2			
Additive 3			
Additive 4			

Mass sum    100    must be 100

Phosphorus	P	174 ppm	Sodium	Na	ppm
Boron	B	196 ppm	Barium	Ba	ppm
Calcium	Ca	774 ppm	Potassium	K	ppm
Silicon	Si	ppm	Magnesium	Mg	ppm
Zinc	Zn	ppm	Molybdenum	Mo	ppm

**3) Physical Properties**

Kinematic Viscosity @ 40°C	DIN 51562	44.73	mm <sup>2</sup> /s
Kinematic Viscosity @ 100°C	DIN 51562	8.06	mm <sup>2</sup> /s
Viscosity Index	DIN ISO 2909	154	-
Brookfield Viscosity @ -40°C	DIN 51398	46600	mPa·s
Density @ 15°C	DIN 51757	860	kg/m <sup>3</sup>
Pour Point	DIN ISO 3016	-45	°C
Flash Point	DIN EN ISO 2592	203	°C
Fire Point	DIN EN ISO 2592	236	°C
Total Acid Number	ASTM D 664	1.22	mg KOH/g

**4) Test Results**

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

Failure Load stage	DIN 51354	11	KS
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Shear stability

KV100 after 20 h KRL @ 60°C	DIN 51350-6 - KRL/C	5,3	mm <sup>2</sup> /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

	168 h / 95°C	168 h / 150°C
ACM 80		
Change of Shore Hardness	0	0
Change of Volume	1.50 %	3.10 %
FPM 80		
Change of Shore Hardness	-1	-3
Change of Volume	1.56 %	1.52 %
75 FKM 585 (Freudenberg)		
Change of Shore Hardness	-2	1
Change of Volume	1.03 %	1.46 %

**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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19.04.2022.	
<b>Date</b>	<b>Signature</b>

**8) Contacts Voith**

Voith Turbo GmbH & Co. KG Bus Drive Systems Alexanderstr. 2 89522 Heidenheim - Germany	Dr. Helmut Krieger Phone +49 7321 37 8245 Fax +49 7321 37 7690 E-mail helmut.krieger@voith.com
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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 36 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	ADECO
Product Brand Name	ATF DEXRON IID
Unique oil code	OS175291

<input type="checkbox"/> Not Approved	<input checked="" type="checkbox"/> Approved for
Voith Approval List	<input checked="" type="checkbox"/> H55.6335.xx - Standard Drain Intervals <input type="checkbox"/> H55.6336.xx - Extended Drain Intervals  <input type="checkbox"/> US SB 013/118 - Standard Drain Intervals <input type="checkbox"/> US SB 013/118 - Extended Drain Intervals

Approval Date	2024-01-26	Expiration Date	2027-01-25
Name	i.V. Dr. Kaufmann/ i. A. Dittes	Signature	

**Re-Approval**

Re-Approval Date	_____	Expiration Date	_____
Name	_____	Signature	_____
Re-Approval Date	_____	Expiration Date	_____
Name	_____	Signature	_____
Re-Approval Date	_____	Expiration Date	_____
Name	_____	Signature	_____
Re-Approval Date	_____	Expiration Date	_____
Name	_____	Signature	_____
Re-Approval Date	_____	Expiration Date	_____
Name	_____	Signature	_____