

## Data Sheet - ATF for DIWA Transmissions

### 1) General Data

Product Marketer	ROLF Lubricants GmbH		
Product Brand Name	ROLF ATF IID		
Unique oil code	AT-11652-40		
Rebrand of			
Reblend of	AT-11652-40		
GM-Dexron License Number in case of Rebrand/Reblend GM-Dexron License No. of Original	DEXRON		
Mercon License Number in case of Rebrand/Reblend Mercon License No. of Original	MERCON		
Market region	<input checked="" type="checkbox"/> Europe <input checked="" type="checkbox"/> Africa	<input type="checkbox"/> North America <input type="checkbox"/> South America	<input type="checkbox"/> Asia <input type="checkbox"/> Oceania

### 2) Contents

	Mass %	API Group	Supplier and Code	Kin. Visc. @ 100°C
Base oil 1				mm <sup>2</sup> /s
Base oil 2				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			
Additive 2			
Additive 3			
Additive 4			
Mass sum	100	must be 100	

Phosphorus	P		ppm	Sodium	Na		ppm
Boron	B		ppm	Barium	Ba		ppm
Calcium	Ca		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		mm²/s
Kinematic Viscosity @ 100°C	DIN 51562		mm²/s
Viscosity Index	DIN ISO 2909		-
Brookfield Viscosity @ -40°C	DIN 51398		mPa·s
Density @ 15°C	DIN 51757		kg/m³
Pour Point	DIN ISO 3016		°C
Flash Point	DIN EN ISO 2592		°C
Fire Point	DIN EN ISO 2592		°C
Total Acid Number	ASTM D 664		mg KOH/g

### 4) Test Results

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

Failure Load stage	DIN 51354		KS FAIL
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#### Shear stability

KV100 after 20 h KRL @ 60°C	DIN 51350-6 – KRL/C		mm²/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		
Change of Volume		
FPM 80		
Change of Shore Hardness		
Change of Volume		
75 FKM 585 (Freudenberg)		
Change of Shore Hardness		
Change of Volume		



# Approval

Product Marketer ROLF Lubricants GmbH  
 Product Brand Name ROLF ATF IID  
 Unique oil code AT-11652-40

Not Approved

Approved for

Voith Approval List

- H55.6335.xx - Standard Drain Intervals
- H55.6336.xx - Extended Drain Intervals
- 150.014524.xx - 180.000 km Drain Intervals
- US SB 013/118 - Standard Drain Intervals
- US SB 013/118 - Extended Drain Intervals
- US SB 013/118 - 108.000 miles Drain intervals

Approval Date 2018-03-19 Expiration Date 2020-03-18

Name Dr. Burr Signature 

Name Mr. Mondorf Signature 

## Re-Approval

Re-Approval Date \_\_\_\_\_ Expiration Date \_\_\_\_\_

Name \_\_\_\_\_ Signature \_\_\_\_\_

Re-Approval Date \_\_\_\_\_ Expiration Date \_\_\_\_\_

Name \_\_\_\_\_ Signature \_\_\_\_\_

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