Data Sheet - ATF for DIWA Transmissions

1) General Data

Product Marketer	ROLF Lubricants GmbH
Product Brand Name	ROLF ATF IIIG
Unique oil code	AT-11949-40
Rebrand of	
Reblend of	AT-11949-40
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

X	Europe		North America		Asia
X	Africa		South America		Oceania

2) Contents

	Mass %	API Group	Supplier and Code	Kin.Visc. @ 100°C
Base oil 1	[redacted]	[redacted]	[redacted]	[redacted] mm²/s
Base oil 2	[redacted]	[redacted]	[redacted]	[redacted] mm²/s
Base oil 3				mm²/s
Base oil 4				mm²/s

	Mass %	Type	Supplier and Code
Additive 1	[redacted]	[redacted]	[redacted]
Additive 2			
Additive 3			
Additive 4			

Mass sum 100 must be 100

Phosphorus	P	[redacted]	ppm	Sodium	Na		ppm
Boron	B	[redacted]	ppm	Barium	Ba		ppm
Calcium	Ca	[redacted]	ppm	Potassium	K		ppm
Silicon	Si	[redacted]	ppm	Magnesium	Mg		ppm
Zinc	Zn		ppm	Molybdenum	Mo		ppm

3) Physical Properties

Kinematic Viscosity @ 40°C	DIN 51562	[redacted]	mm²/s
Kinematic Viscosity @ 100°C	DIN 51562	[redacted]	mm²/s
Viscosity Index	DIN ISO 2909	[redacted]	-
Brookfield Viscosity @ -40°C	DIN 51398	[redacted]	mPa·s
Density @ 15°C	DIN 51757	[redacted]	kg/m³
Pour Point	DIN ISO 3016	[redacted]	°C
Flash Point	DIN EN ISO 2592	[redacted]	°C
Fire Point	DIN EN ISO 2592	[redacted]	°C
Total Acid Number	ASTM D 664	[redacted]	mg KOH/g

4) Test Results

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

Failure Load stage	DIN 51354	13	KS FAIL

Shear stability

KV100 after 20 h KRL @ 60°C	DIN 51350-6 – KRL/C	5,6	mm²/s

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	
Change of Shore Hardness	-2		-3	
Change of Volume	-0.6	%	1.7	%
FPM 80	168 h / 95°C		168 h / 150°C	
Change of Shore Hardness	-1		0	
Change of Volume	0.3	%	0.5	%
75 FKM 585 (Freudenberg)	168 h / 95°C		168 h / 150°C	
Change of Shore Hardness	-1		3	
Change of Volume	0.3	%	2	%

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

Name	Sergej Metzker
Phone	491 797 539 329
Fax	
E-mail	metzker@rolfoil.de
Address	Neuer Wall 26-28 20354 Hamburg

Date	**Signature**

8) Contacts Voith

Voith Turbo GmbH & Co. KG		Sven Rothenberger
Product Group Retarder	Phone	+49 7951 32 1044
Hardtstraße 8	Fax	+49 7951 32 1926
74564 Crailsheim - Germany	E-mail	sven.rothenberger@voith.com
Voith Turbo Inc.		Mark Bair
DIWA Bus Transmissions	Phone	+1 717 767 3254
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York, PA 17402 - USA	E-mail	mark.bair@voith.com

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	**ROLF Lubricants GmbH**
Product Brand Name	**ROLF ATF IIIG**
Unique oil code	**AT-11949-40**

☐ 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	2018-03-19	Expiration Date	2020-03-18
Name	Dr. Burr Mr. Mondorf	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	
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