

GEAR OIL APPROVAL

Reblend Approval

Page 1 / 2

Approval No.: ACHCA82-2026327-1043

Valid until: 2031-03-27

This approval is issued under the prerequisite that no negative behaviour of this oil occurs in FLENDER gearboxes in the field.

For the oil
with the base oil
with the nominal viscosities ISO VG
produced by

CHAMPION EP GEAR SYN PAO
m
220,320
CHAMPION CHEMICALS N.V.

the compliance with the CLP quality in accordance with DIN 51517-3 is guaranteed by the selling company. The selling company has performed the tests shown on page 2 according to the

"Gear oil approval for FLENDER gearboxes - Technical specification AS 7300"

Revision 16.2

Based on the presented results, the requirements defined by FLENDER were satisfied. FLENDER recommends the use of the above mentioned oil for the following gearbox types:

A. Helical, bevel and planetary gear units

Created by Arnd Bollwerk, TI T&FN, Flender GmbH, Bocholt, 2026-03-27

Checked by:

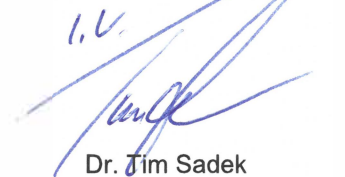


Dr. Christoph Bugiel

TI T&FN

Flender GmbH

Released by:



Dr. Tim Sadek

TI

Flender GmbH

GEAR OIL APPROVAL

Reblend Approval

Page 2 / 2

Approval No.: ACHCA82-2026327-1043

Valid until: 2031-03-27

The following test results were presented:

	Conditions	Norm(s)
Viscosity data		
ICP data		
Categorization data		
FZG scuffing test	A/8.3/90	DIN ISO 14635-1
FE-8 rolling bearing test	D-7.5/80-80	DIN 51819-3
Micropitting test	FVA54 VII, 90°C	
FLENDER foam test	Without Contamination	ISO 12152
FLENDER foam test	+2% Alpha SP 220 S	ISO 12152
FLENDER foam test	+4% Alpha SP 220 S	ISO 12152
Compatibility with inner coating	Uni Primer P22	
Compatibility with inner coating	Primer EP3152	
Compatibility with inner coating	Maeder Primer M25	
Compatibility with outer coating	PU6340	
Compatibility with outer coating	PU5045	
Compatibility with outer coating	EP4251	
Compatibility with outer coating	PU6044-M	
Compatibility with outer coating	WIEREGEN-C130	
Compatibility with outer coating	WIEREGEN-DW54F	
Filterability test	Filter 01.E 30.10VG.30.E.P	
Compatibility with liquid sealing	Loctite 128068	
Compatibility with elastomers - O-ring static test	72 NBR 872	
Compatibility with elastomers - O-ring static test	80FKM610	
Compatibility with elastomers - O-ring static test	NBR-7PB496	
Compatibility with elastomers - O-ring static test	AEM-7DE2138	
Compatibility with elastomers - O-ring static test	FKM-DF701	
Compatibility with elastomers - RSS static test	72NBR902	
Compatibility with elastomers - RSS static test	75FKM585	
Compatibility with elastomers - RSS static test	75FKM170055	
Compatibility with elastomers - RSS dynamic test	72NBR902 / 3 RSS / n = 2000 rpm	
Compatibility with elastomers - RSS dynamic test	75FKM585 / 3 RSS / n = 3000 rpm	
Compatibility with elastomers - RSS dynamic test	75FKM170055 / 3 RSS / n = 3000 rpm	