

	<p style="text-align: center;"><b>ALCO QUALITY ASSURANCE LABORATORY TEST REPORT</b></p> <p style="text-align: center;">Accreditation No: AZS ISO/IEC 17025:2020/AZ 01.0571.01.21</p>	
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**Company:** ALCO LLC  
3, Vali Mammadov st., Sabail dist.  
AZ1095, Baku, Azerbaijan

**Certificate No.:** 20241041  
**Date of issue:** 05/07/2024

**Test sample**

**Product:** AVTOIL INDUSTRIAL HYDRAULIC I-40A  
**Batch number:** 24071041  
**Tank ID:** T45.2

**Manufacture date:** 02/07/2024  
**Date of sampling:** 02/07/2024  
**Date of analysis:** 02/07/2024

**Test result**

Parameters	Unit	Test method	Limit	Test result	Conclusion
Appearance	-	Visual	Bright & Clear	Bright & Clear	Pass
Kinematic viscosity at 40 °C	mm <sup>2</sup> /s	ASTM D445	61.0-75.0	62.31	Pass
TAN	mg KOH/g	ASTM D974	Max. 0.05	0.003	Pass
Water content	%	ASTM D95	Max. 0.05	None	Pass
Flash Point, COC	°C	ASTM D92	Min. 220	232	Pass
Pour Point	°C	ASTM D97	Max. -15	<-18	Pass
Color	-	ASTM D1500	Max. 3.0	1.0	Pass
Density at 15 °C	g/cm <sup>3</sup>	ASTM D4052	Test&Report	0.8770	Pass

*ALCO QUALITY ASSURANCE LABORATORY accredited by AzAK for AZS ISO/IEC 17025:2020 at test laboratory.*

**Shelf life:** 5 years from the date of manufacture of the product if proper storage conditions are followed.

This product meets the specification set out in its product data sheet (PDS) and has been manufactured in a facility fully complying with the requirements of Integrated Management System standards.

**Notes & Instructions:**

- Tests conducted according to International Standard Test Methods are routinely verified to be in compliance with the latest published versions. Minor changes may be made where they have no material impact on test results and are necessitated by reasons such as safety, environmental standards and method effectiveness.
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**Authorised signatory**



Allahverdiyeva Aytan  
Head of Laboratory



Isgandarli Nazrin  
Lead Chemical Engineer



Form No.: 003-EN  
Issue date: 10.12.2022

## CERTIFICATE OF ANALYSIS

Accreditation No: AZS ISO/IEC 17025:2020/AZ 01.0571.01.21

**From: ALCO LLC**  
3, Vali Mammadov st., Sabail dist.  
AZ1095, Baku, Azerbaijan

**Certificate No.:** 2023071006  
**Date of issue:** 10/07/2023

### Test sample

**Product:** AVTOIL MGE-46V  
**Material ID:** M000197  
**Date of sampling:** 10/07/2023

**Manufacture date:** 10/07/2023  
**Batch number:** 23071006  
**Tank ID:** T41.2

### Test result

**Date of analysis:** 10/07/2023

Parameters	Unit	Test result	Limit	Test method	Conclusion
Appearance	-	Bright & Clear	Bright & Clear	Visual	Pass
Kinematic viscosity at 40 °C	mm <sup>2</sup> /s	47.12	41.4-50.6	ASTM D445	Pass
Viscosity index	-	101	Min. 90	ASTM D2270	Pass
Water content	%	None	Max. 0.05	ASTM D95	Pass
Flash Point, COC	°C	230	Min. 185	ASTM D92	Pass
Pour Point	°C	-27	Max. -24	ASTM D97	Pass
Color	-	1.5	Test & Report	ASTM D1500	Pass
Density at 20 °C	g/cm <sup>3</sup>	0.8593	Test & Report	ASTM D4052	Pass

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**Authorised singnatory**



**Matilda Yusifova**  
**Head of Laboratory**

Product Code:

# 8218

# O.E.M. FOR MULTIVEHICLE

Fully synthetic ATF

Meets the requirements:

AISIN WARNER JWS 3309, JASO M315 Type 1A, JATCO ATF 3100 PL085, SUZUKI 3314/3317/2384K, TOYOTA ATF Type T/T-II/T-III/T-IV, PORSCHE JWS 3309, MAZDA ATF-M III/-MV, NISSAN/INFINITI MATIC D/J/K, TEXACO N402 (JATCO FWD), SUZUKI ATF OIL/SPECIAL, MITSUBISHI DIAMOND SP-II/SP-III, HYUNDAI/KIA SP-II/III, GM Dexron® II D/II E/III F/ III G/III H, HONDA ATF-Z1/DW-1, MB 236.1/236.2/236.3/236.5/236.6/236.7/236.9/236.10/236.11, SUBARU ATF-5/ATF-HP, BMW 83 22 0 403 248/83 22 2 163 514/ 83 22 9 407 765 (LA 2634)/83 22 9 407 807/7045E (3Ser.), ETL-8072B (5Ser.), MOPAR AS68RC/LA2634/LT71141(ZF 5 Speed), MAN 339 F/V1/V2/Z1/Z2, CHRYSLER ATF +3/+4, DAIHATSU ALUMIX ATF MULTI, VW/AUDI G 052 025/G 052 162/G 052 990/G 055 025

MANNOL 8218 O.E.M. Multivehicle is a special blend of high-quality base stocks with newest advanced additives for automatic transmissions. Carefully balanced friction modifiers allow friction retention for a long-term period of time. Enhanced resistance against oxidation and corrosion as well as thermal stability help to maintain all year round protection of transmission components.

Product Characteristics:

Test	Method	Unit	Result
Density at 15°C	D 1298	kg/m <sup>3</sup>	850
Dynamic Viscosity by Brookfield	D 2983	CP	17500
Viscosity at 40°C	D 445	CSt	36,77
Viscosity at 100°C	D 445	CSt	7,18
Viscosity index	D 2270		163
Flash point COC	D 92	°C	216
Pour point	D 97	°C	-48

Volume:

1L met.	MN8218-1ME	60L	MN8218-60
4L met.	MN8218-4ME	208L	MN8218-DR
10L	MN8218-10	1000L	MN8218-IBC
20L	MN8218-20		



[www.mannol.de](http://www.mannol.de)

SCT-Vertriebs GmbH

Feldstrasse 154, 22880 Wedel/Hamburg, Germany, info@sct-germany.de, tel.: +49 (0)4103 1211 0, fax: +49 (0)4103 1211 116

# MANNOL®





# Super Fluid ATF 3000

## СПЕЦИФИКАЦИИ

Двигатель: бензиновый, дизельный

## ДОПУСКИ И СООТВЕТСТВИЯ

GM Dexron III-H / III G / III F ALLISON C-4/TES 389 CATERPILLAR TO-2 CHRYSLER MS-9602

CHRYSLER MS-7176 FORD MERCON FORD M2C 138-CJ, 166-H MAN 339 Typ Z1 & V1, Z2 & V2

MB 236.1 MB 236.5 MB 236.6 MB 236.7 VOITH 55.6335 VOITH 55.6336 VOLVO 97340

VOLVO 97341 ZF TE-ML 02F, 04D, 09, 11A, 14A, 17C

## СВОЙСТВА

- Экстремальная износостойкость;
- Высокая температурная стабильность;
- Устойчивость к пенообразованию;
- Обладает отличными фрикционными свойствами;
- Стабильность при высоких нагрузках;
- Устойчивость к окислению;
- Исключительные вязкостно-температурные показатели;
- Экстремально низкая точка замерзания;
- Нейтрально по отношению к уплотнительным материалам.

## ЭФФЕКТЫ

- Надежность работы при высоких нагрузках;
- Легкотекучесть при низких температурах;
- Подходит для всесезонного применения;
- Универсальность применения.

## УТИЛИЗАЦИЯ

- Отработанная жидкость Wolver Super Fluid ATF 3000 относится к отходам 2-ой категории и подлежит утилизации в специально отведенных местах.

## ТИПИЧНЫЕ ХАРАКТЕРИСТИКИ

Кинематическая вязкость при 100 °C	7.8 mm <sup>2</sup> /s
Индекс вязкости	179
Температура застывания	-46 °C
Температура вспышки	205 °C
Плотность при 15,6 °C	859 kg/m <sup>3</sup>

## ОПИСАНИЕ

Wolver Super Fluid ATF 3000 - жидкость для автоматических трансмиссий спецификации ATF-DEXRON III H. Тщательно подобранные HC-синтетические и минеральные базовые масла и комбинация активных присадок придают Wolver Super Fluid ATF 3000 идеальные эксплуатационные качества.

Wolver Super Fluid ATF 3000 - специальная рабочая жидкость для применения в современных автоматических коробках передач. Соответствует требованиям ATF-DEXRON II D, DEXRON III F, DEXRON III G.

Превосходная стабильность и устойчивость к окислению делает Wolver Super Fluid ATF 3000 отличным решением для всего периода эксплуатации (смотрите инструкцию по эксплуатации производителя).

### Применение

- Автоматические КПП автомобилей;
- Автомобили с механической КПП согласно указаниям производителя;
- Автомобили с гидроусилителем руля согласно указаниям производителя;
- Автомобильные гидравлические системы согласно указаниям производителя;
- Различные гидродинамические преобразователи автомобиля согласно инструкции производителя.

### Не для применения в DCT/DSG- и CVT- трансмиссиях

### Совместимость

Wolver Super Fluid ATF 3000 совместима с аналогичными жидкостями и может быть смешана с любым из них. Однако при доливке рекомендуется использовать исключительно Wolver Super Fluid ATF 3000.

1л - банка

4129

4260360941290

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20л - ведро

4307

4260360943072

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208л - бочка

4048

4260360940484

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**Company:** ALCO LLC  
 3, Vali Mammadov st., Sabail dist.  
 AZ1095, Baku, Azerbaijan

**Certificate No.:** 20241966  
**Date of issue:** 18/11/2024

**Test sample**

**Product:** AVTOIL M-10G2K SAE 30 CC (GOST 17479.1-85)  
**Batch number:** 24111966  
**Tank ID:** T45.1

**Manufacture date:** 18/11/2024  
**Date of sampling:** 18/11/2024  
**Date of analysis:** 18/11/2024

**Test result**

Parameters	Unit	Test method	Limit	Test result	Conclusion
Appearance	-	Visual	Bright & Clear	Bright & Clear	Pass
Kinematic viscosity at 100 °C, min.	mm <sup>2</sup> /s	ASTM D445	10.5-11.5	11.16	Pass
Viscosity index	-	ASTM D2270	Min. 85	112	Pass
Water content	%	ASTM D95	Max. 0.05	None	Pass
Pour Point	°C	ASTM D97	Max. -15	<-18	Pass
Color, with a dilution of 15:85, units of the CNT	-	ГОСТ 20284	Max. 4.0	0.8	Pass
Density at 15 °C	g/cm <sup>3</sup>	ASTM D4052	Test&Report	0.8843	Pass

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Approved by

Allahverdiyeva Aytan  
Head of Laboratory





ALCO QUALITY ASSURANCE LABORATORY  
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Accreditation No: AZS ISO/IEC 17025:2020/AZ 01.0571.01.21



**Company:** ALCO LLC  
3, Vali Mammadov st., Sabail dist.  
AZ1095, Baku, Azerbaijan

**Certificate No.:** 2024282-1  
**Date of issue:** 23/02/2024

**Test sample**

**Product:** AVTOIL M-10DM  
**Batch number:** 2402282  
**Tank ID:** T41.2

**Manufacture date:** 22/02/2024  
**Date of sampling:** 22/02/2024  
**Date of analysis:** 22/02/2024

**Test result**



Parameters	Unit	Test method	Limit	Test result	Conclusion
Appearance	-	Visual	Bright & Clear	Bright & Clear	Pass
Kinematic viscosity at 100 °C, min.	mm <sup>2</sup> /s	ASTM D445	Min. 11.40	11.55	Pass
Viscosity index	-	ASTM D2270	Min. 90	103	Pass
Water content	%	ASTM D95	Max. 0.05	None	Pass
Flash Point, COC	°C	ASTM D92	Min. 220	250	Pass
Pour Point	°C	ASTM D97	Max. -18	-21	Pass
Color, with a dilution of 15:85, units of the CNT	-	ГОСТ 20284	Max. 3.5	0.8	Pass
Density at 20 °C	g/cm <sup>3</sup>	ASTM D4052	Test & Report	0.8851	Pass

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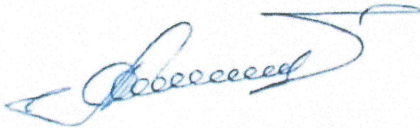
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**Authorised signatory**



**Allahverdieva Aytan  
Head of Laboratory**



**Isgandarli Nazrin  
Chemical Engineer**

