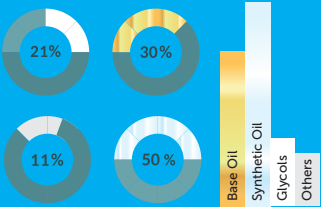


A high-speed photograph of a golden-yellow liquid, likely oil, being poured. The liquid forms a long, elegant, and slightly twisted column that tapers as it falls. At the bottom, it impacts a surface, creating a complex splash with multiple droplets and ripples. The background is a solid, deep blue, which makes the bright, metallic-looking liquid stand out. The lighting highlights the viscosity and sheen of the liquid.

Lubricant **Catalogue**

doill

Doill is a petrochemical company. Doill helps meet the world's growing oil demand in environmentally and socially responsible ways.



AUTOMOTIVE 60% With a wide range of products, we provide all the products that the automotive industry needs. In addition, doill motor oils are Turkey's leader as a "Price / Performance" product.

INDUSTRY 30% We provide efficiency above the standards with a wide range of products suitable for the use of high-tech industrial machines.

OTHER 10% We offer special mineral oil products and special chemical solutions for glycol groups.

Made In TURKEY

As Doill, we maintain our made in Turkey identity as the industry leader by producing and selling quality synthetic oil used in the market in the Turkey.

Worlds Need

In the medium and long term, we aim to provide best price/performance lubricants to the world with our competitive and high-performance products.



As Doill, we increase our product range and produce technology products day by day.





HYBRID

Plus+



HYBRID



EXTREME

Plus+



EXTREME



MASTER

Plus+



MASTER



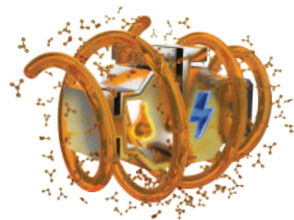
**...SPEED
RACER**



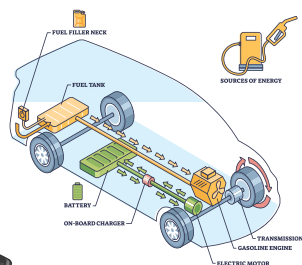
TESLA



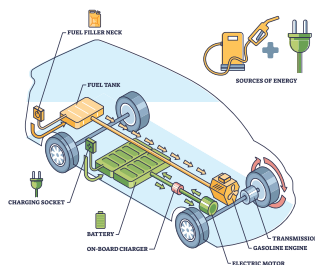
Doill Hybrid Series Performance Levels

**HEV**

HYBRID ELECTRIC VEHICLE

**PHEV**

PLUG-IN HYBRID ELECTRIC VEHICLE

**Doill HYBRID
GT-200 0W/20****Doill HYBRID
GT-400 0W/16****Doill HYBRID
PLUS+ X1 0W/20****Doill HYBRID
PLUS+ X2 0W/16**

Meets or exceeds the following performance levels:

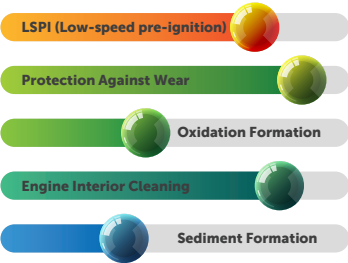
ACEA	ILSAC GF-5, GF-6	ILSAC GF-5, GF-6, GF-6B
API	SN, SN Plus, SP, Resource Conserving	SN, SN Plus, SP, Resource Conserving
GM	Dexos 1 Gen 2	
FORD	WSS-M2C962-A WSS-M2C947-A, WSS-M2C946-A WSS-M2C945-A	
TOYOTA	HYBID CARS	
HONDA	HYBID CARS	
NISSAN	WSS-M2C 913C / 913D	
CHRYLER	MS-6395	
FIAT	9.55535-CR1, 9.55535-GSX	
SUZUKI	HYBID CARS	
MITSUBISHI	HYBID CARS	
MAZDA	HYBID CARS	

ILSAC GF-5, GF-6	ILSAC GF-5, GF-6, GF-6B
SN, SN Plus, SP, Resource Conserving	SN, SN Plus, SP, Resource Conserving
Dexos 1 Gen 2	
WSS-M2C962-A WSS-M2C947-A, WSS-M2C946-A WSS-M2C945-A	
HYBID CARS	
HYBID CARS	
WSS-M2C 913C / 913D	
MS-6395	
9.55535-CR1, 9.55535-GSX	
HYBID CARS	
HYBID CARS	
HYBID CARS	

PAO

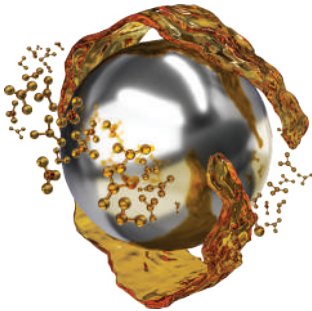
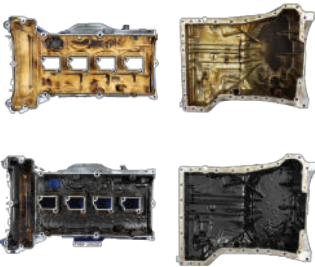
Doill Extreme Performance Levels

API SN PLUS PERFORMANCE LEVELS



EXTREME
ESP FORMULATION

Others



EXTREME xp8000 0W/30	EXTREME xp8400 0W/40	EXTREME xp6000 5W/30	EXTREME xp6100 5W/40
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EXTREME PLUS+ X2 0W/20	EXTREME PLUS+ X3 0W30	EXTREME PLUS+ Z3 5W/30
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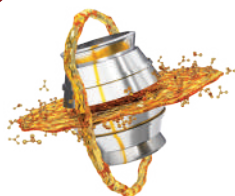
Meets or exceeds the following performance levels:				
ACEA	C3	C3	C3	C3
API	SN	SN	SN	SN
BMW	Longlife-04	Longlife-04	Longlife-04	Longlife-04
MERCEDES	MB 229.31/ 229.51/ 229.52	MB 229.31/ 229.51	MB 229.31/ 229.51/ 229.52	MB 229.31/ 229.51/ 229.52
VOLKSWAGEN	VW 504 00/ 507 00	VW 502 00 / 505 00	VW 504 00/ 507 00	VW 505 00 / 505 01
PORCHE	C 30	A 40	C 30	
PEUGEOT CITROEN			B71 2290-2297	
CHRYSLER			MS-11106	
FORD				Ford WSS-M2C917-A
RENAULT	RN 0700 / RN 0710	RN 0700 / RN 0710		RN 0700 / RN 0710
FIAT	955535.GS1 955535.DS1	9.55535-S2		9.55535-S2 ,9.55535-GH2
GM	Dexos2*	Dexos2*		Dexos2*

PAO

C5	C3	C3
SN	SN	SN
	Longlife-04	Longlife-04
MB 229.71/ 229.51/ 229.52	MB 229.31/ 229.51/ 229.52	MB 229.31/ 229.51/ 229.52
VW 508 00/ 509 00	VW 504 00/ 507 00	VW 504 00/ 507 00
C 20	C 30	C 30
		B71 2290-2297
MS-6395		MS-11106
WSS-M2C930-A WSS-M2C947-A WSS-M2C947-B1		
	RN 0700 / RN 0710	
	955535.GS1 955535.DS1	
Dexos2*	Dexos2*	

EXTREME SERIES

Doill Speed Racer Performance Levels

**SPEED
RACER****Doill SPEED RACER
RS 100 10W/60****Doill SPEED RACER
RS 200 5W/50**

Meets or exceeds the following performance levels:

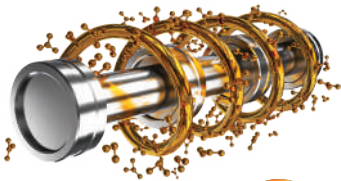
ACEA	A3/B4	C3
API	SN	SN
ALFA ROMEO	ALFA ROMEO GT Series	ALFA ROMEO All Models
BMW	BMW M-Models	BMW High Performance Diesel Oil
MERCEDES	MB 229.31 / 229.51	MB 229.31/ 229.51/ 229.52
VOLKSWAGEN	VW 501 01 / 505 00	VW 501 01 / 505 00
FIAT	FIAT 9.55535-H3	
ASTON MARTIN	ASTON MARTIN	
AUDI	AUDI R8 5.2L GT (CMPA	
PORCHE		A40
JAGUAR	JAGUAR	
LANCIA	LANCIA	
LOTUS	LOTUS	
FORD	TVR	FORD WSS M2C-931C

Doill Master Performance Levels



MASTER SERIES

MASTER



Doill MASTER xp5000 5W-30		Doill MASTER xp5400 5W-40	Doill MASTER xp3000 10W-40	PAO	Doill MASTER PLUS+ M3 0W/30	Doill MASTER PLUS+ M1 5W/30
Meets or exceeds the following performance levels:						
ACEA	A5/B5	A3/B4	A3/B4		A5/B5	A5/B5
API	SM/CF	SM/CF	SM/CF		SL/CF	SM/CF
BMW		Longlife-01	BMW Special Oil		Longlife-01	
MERCEDES		MB 226.5, MB 229.3	MB 229.1			
VOLKSWAGEN		VW 502 00 / 505 00	VW 501 01 / 505 00			
PEUGEOT CITROEN		B71 2296	(B71 2294 & B71 2300)			
FORD	WSS-M2C 913D / 913A / 913B / 913C					WSS-M2C 913D / 913A / 913B / 913C
RENAULT		RN 0700 / RN 0710	RN 0700 / RN 0710			
FIAT		9.55535-H2, 9.55535-M2, 9.55535-Z2	9.55535-D2			
GM		GM-LL-A-025, GM-LL-B-025				
JAGUAR LAND ROVER	STJLR.03.5003				STJLR.03.5003	
PORSCHE		A40				
VOLVO					VCC 95200377	

PAO

Doill Tesla Performance Levels

TESLA
**TESLA
RTX 5300
5W/40**

**TESLA
RTX 5300
5W/30**

**TESLA
RTX 3000
10W/40**

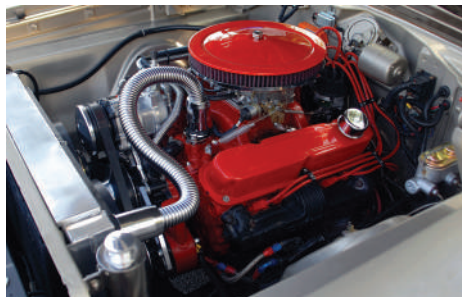
**TESLA
RTX 2000
15W/40**

**TESLA
RTX 1000
20W/50**

**TESLA NOVA
RTX 3100
10W/30**

Meets or exceeds the following performance levels:

ACEA	A3/B4	A3/B4	A3/B4	A3/B4	A3/B4	A3/B4
API	SL/CF	SL/CF	SL/CF	SF/CF	SL/CF	SF/CF
ILSAC						ILSAC GF-5
MERCEDES				MB 229.1		
VOLKSWAGEN				VW 501 01 / 505 00		
FIAT				FIAT 9.55535-D2		
CHRYSLER						MS-6395
GM						GM 6094M
FORD						FORD WSS-M2C921-A
VOLVO						9.55535-G1



Technical Information

Classifications Used Worldwide

Engine oil manufacturers classify the oils and put them on the market. The classifications determine the viscosity and performance level of motor oils. This information is located on the front or back label of the product.

SAE

US Society of Automotive Engineers

Viscosity Definitions

API

American Petroleum Institute

Classifications according to engine and laboratory tests

ACEA

European Automobile Manufacturers Association

European classifications according to engine and laboratory tests applied since 1996

ILSAC

International Oil Standardization Approval Committee

Improves engine oil standards. The latest standard is GF-5.

JASO

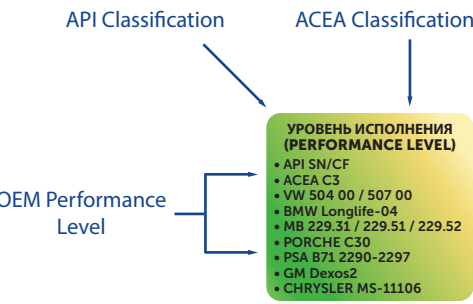
Japan Automotive Standards Organization

It develops performance and quality standards for gasoline engines of Japanese origin.

Doill Extreme 5W/30 back label example

Doill EXTREME xp6000 5W/30 — полностью синтетическое моторное масло, полностью совместимое с новейшими сажевыми фильтрами (DPF) в дизельных автомобилях и каталитическими нейтрализаторами (CAT) в бензиновых автомобилях. **Doill EXTREME xp6000 5W/30** — моторное масло, произведенное в виде специальной смеси по технологии **Titanium-Gold Alloy Tech**, которая обеспечивает высокое пленкообразование, сверхсмазывающую способность и высокую эффективность компрессора. Благодаря высокому значению щелочного числа обеспечивает высокий уровень очистки внутри двигателя и длительный срок службы. Масло **Doill EXTREME xp6000 5W/30** разработано для обеспечения превосходной производительности и сверхзащиты, а также для экономии топлива. Рекомендуется для автомобилей с системой «Стоп-Старт». Подходит для автомобилей с дизельным, бензиновым и сжиженным нефтяным газом.

Doill EXTREME xp6000 5W/30 — полностью синтетическое моторное масло, полностью совместимое с новейшими сажевыми фильтрами (DPF) в дизельных автомобилях и каталитическими нейтрализаторами (CAT) в бензиновых автомобилях. **Doill EXTREME xp6000 5W/30** — моторное масло, произведенное в виде специальной смеси по технологии **Titanium-Gold Alloy Tech**, которая обеспечивает высокое пленкообразование, сверхсмазывающую способность и высокую эффективность компрессора. Благодаря высокому значению щелочного числа обеспечивает высокий уровень очистки внутри двигателя и длительный срок службы. Масло **Doill EXTREME xp6000 5W/30** разработано для обеспечения превосходной производительности и сверхзащиты, а также для экономии топлива. Рекомендуется для автомобилей с системой «Стоп-Старт». Подходит для автомобилей с дизельным, бензиновым и сжиженным нефтяным газом.



Viscosity

The force of liquids to oppose fluidity is called **viscosity**. It is also known as viscous material among the people. Viscosity in engine oils is located at the front of the oil drums.

The class of a motor oil is determined by its viscosity value.

Engine oil with the correct viscosity value should be preferred for maximum engine performance.



5W

WHEN THE ENGINE RUNS COLD
VISCOSITY OF ENGINE OIL

30

AT ENGINE WORKING TEMPERATURE
VISCOSITY OF ENGINE OIL

5W/50

SPEED RACER RS 200 5W/50 is the most performance engine oil produced by doill engine oils, designed according to formula 1 standards, providing the high viscosity required by the engines used in revving in motor sport vehicles and at the same time providing ultra lubrication, superior cleaning in engines thanks to its high TBN value. With its fully synthetic structure, doill's Titanium-Gold Alloy Technology and superior performance additives, it provides superior performance in new generation vehicles. It is recommended for performance engines where high viscosity is required. In addition, it provides the necessary compressor efficiency by filling the gaps needed by the engine in worn and worn engines, reducing engine noise and oil burning.



USAGE RECOMMENDATIONS

- It is suitable for new generation, high horsepower diesel, gasoline and LPG vehicles (you can use it in vehicles with DPF).
- It is designed for modified vehicles used in motor sports.
- It is suitable for use in all old vehicles (including LPG).
- Recommended for vehicles that burn oil, have a noisy engine and smoke (We recommend Speed Racer 10W/60 for better treatment on old vehicles.)
- It is recommended that you wait for a minimum of 45 seconds when you start your vehicle for the first time.

10W/60

Speed Racer 10W/60 is a fully synthetic performance oil produced for vehicles that need high performance. It is designed according to formula 1 standards, providing high viscosity at high temperatures and low viscosity at low temperatures. It is the most performance engine oil produced by doill engine oils that provide the high viscosity required by the engines used in revving and at the same time make ultra lubrication in vehicles used in motor sports. With its fully synthetic structure and superior lubricating additive technology, it provides superior performance in new generation vehicles. It is recommended for performance engines where high viscosity is required. In addition, it provides the necessary compressor efficiency by filling the gaps needed by the engine in worn and worn engines, reducing engine noise and oil burning.

USAGE RECOMMENDATIONS

- Recommended for new generation gasoline vehicles and old model Diesel, Gasoline and LPG vehicles.
- Designed for modified vehicles used for motor sports.
- It is suitable for use in all old vehicles (including LPG vehicles).
- Recommended for vehicles that burn oil, have a noisy engine and emit smoke (10w/60 engine oil, such as 5W/30, 0W/30, 0W/40 and 0W/16 engines used in vehicles with particulate filters and other new generation engines. Not recommended as a substitute for essential oils).
- When you start your vehicle for the first time, it is recommended to wait at least 45 seconds before moving.



HEAVY DUTY VEHICLE OILS



CONQUEROR 3000 LME

E9 5W/30

FULLY-SYNTHETIC

LME D.P.F.
(dizel partikül filtresi)



CONQUEROR 6000 LM

E9 10W/40

FULLY-SYNTHETIC

LM D.P.F.
(dizel partikül filtresi)



CONQUEROR 5000 M

E7 10W/40

FULLY-SYNTHETIC

**M HEAVY DUTY
DIESEL ENGINE OIL**



CONQUEROR 3000 MX

E7 15W/40

SYNTHETIC

**MX HEAVY DUTY
DIESEL ENGINE OIL**

Doill Conqueror Performance Levels



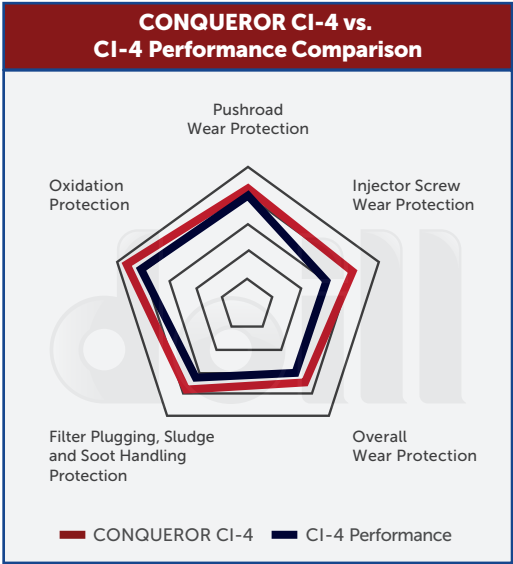
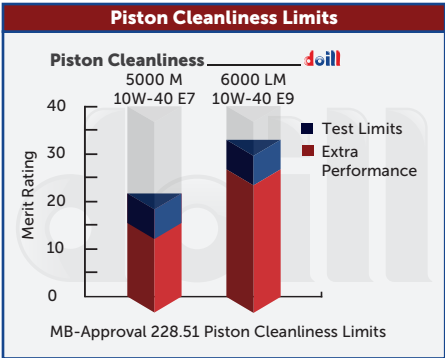
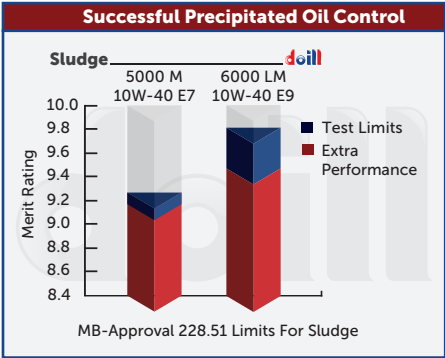
CONQUEROR SERIES

	Doill Conqueror 9000 XL 5W-30	Doill Conqueror 6000 LM 10W-40	Doill Conqueror 5000 M 10W-40	Doill Conqueror 3000 M 15W-40
Meets or exceeds the following performance levels:				
ACEA	E9	E9	E4/E7-8 A3/B4-16	E4/E7-8 A3/B4-16
API	CI-4+ API SN	CI-4+ API SN	CI-4 SJ/SL	CI-4 SJ/SL
OTHER	Global DHD-1 MAN M3477 M2171-1 MTU Type 3.1 JASO DH-2 Level ISUZU Scania LDF-3, LDF-4 DAF (ACEA 2016) IVECO – (ACEA 2016)	Global DHD-1 MAN M3477 M2171-1 MTU Type 3.1 JASO DH-2 Level ISUZU Scania LDF-3, LDF-4 DAF (ACEA 2016) IVECO – (ACEA 2016)	Global DHD-1 MAN M3275 MTU Type 2 JASO DH-1 Level ISUZU SCANIA DAF IVECO – NG2	Global DHD-1 MAN M3275 MTU Type 2 JASO DH-1 Level ISUZU SCANIA DAF IVECO – T2E7
COMPATIBLE FUELS	CNG, Heavy Duty Diesel, LPG, Petrol	CNG, Heavy Duty Diesel, LPG, Petrol	CNG, Dual-Fuel, Heavy Duty Diesel, LPG, Petrol	CNG, Dual-Fuel, Heavy Duty Diesel, LPG, Petrol
MERCEDES	MB 228.31	MB 228.31	MB 228.51, 226.9	MB 228.3
CATERPILLAR	CAT ECF-1a, CAT ECF-2, CAT ECF-3	CAT ECF-1a, CAT ECF-2, CAT ECF-3	CAT ECF-1a, CAT ECF-2	CAT ECF-1a, CAT ECF-2
MACK CLAIMS	Mack EOS 4.5, Mack EO-O Premium Plus	Mack EOS 4.5, Mack EO-O Premium Plus	Mack EO-M Plus, Mack EO-N	Mack EO-K/2, Mack EO-M Plus, Mack EO-N
RENAULT	Renault Truck RLD-3, Renault Truck RLD-4	Renault Truck RLD-3, Renault Truck RLD-4	Renault Truck RLD-2	Renault Truck RLD-2
VOLVO	Volvo VDS-4, VDS-4.5	Volvo VDS-4, VDS-4.5	Volvo VDS-3	Volvo VDS-3
CUMMINS	CES 20086 ,CES 20081	CES 20086 ,CES 20081	CES 20078	CES 20078,77,76,75,72,71
DETROIT DIESEL	93K222, 93K218	93K222, 93K218		93K215
MAGIRUS	DEUTZ DQC IV-10 LA	DEUTZ DQC IV-10 LA	DEUTZ DQC IV-10	DEUTZ DQC III-10



Conqueror Series

We developed Doill Conqueror to keep you moving towards your goal and to help protect against engine wear. Doill Conqueror provides high performance in different driving conditions. As the Doill family, we do not want the disruptions on the road to reduce your journey quality. We developed the Doill Conqueror series to help you reach your destination on long journeys.



**MOTORCYCLE
OILS**



TULPAR 4T
RACER
7100
10W/40



TULPAR 4T
RACER
5100
15W/50



TULPAR 4T
RACER
3000
10W/40



MOTORLUBE
2T

Doill Tulpar Racer - Ester Overclock Performance Levels

**TULPAR RACER 4T
7100 10W/40****TULPAR RACER 4T
5100 15W/50****TULPAR RACER 4T
3000 10W/40****MOTORLUBE
2T**

Meets or exceeds the following performance levels:

ACEA	A3/B4	A3/B4	A3/B4	A3/B4
API	SN	SM	SL	SL
JASO	JASO MA2	JASO MA2	JASO MA2	JASO MA
JASO	Euro 2 - Euro 3 KTM HUSQVARNA MOTO GUZZI Street Bikes Scooters ATV - UTV	Euro 2 - Euro 3 KTM HUSQVARNA MOTO GUZZI Street Bikes Scooters ATV - UTV	Euro 2 Euro 3 Street Bikes Scooters ATV Mopeds	Euro 2 Euro 3 Street Bikes Scooters ATV Mopeds

**AUTOMATIC
TRANSMISSION OILS**



**ATF 220
DEXRON 110**



**ATF 320
DEXRON III**



**ATF 620
DEXRON VI**



ATF LT 71141
FULLY SYNTHETIC



MULTI-VEHICLE ATF
FULLY SYNTHETIC



TRANCEMAX
FULLY SYNTHETIC **CVT**



TRANCEMAX
FULLY SYNTHETIC **DUAL**



**LIFE KEEPER
8 SPEED**




**ATF MB 9G
236.17**

Doill Automatic Transmission Oils Performance Levels




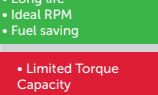
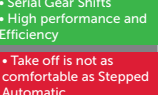
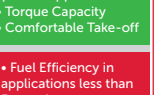
Doill Trancemax DUAL

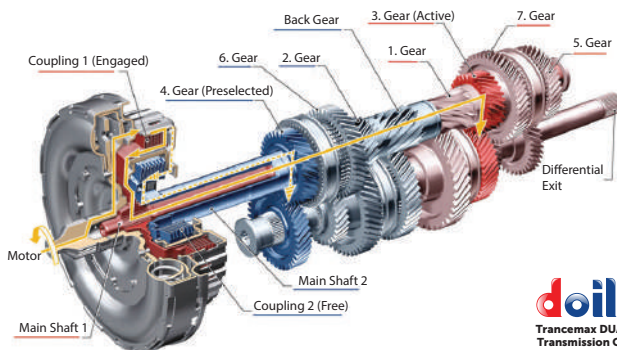
Doill Trancemax CVT

Meets or exceeds the following performance levels:

OEM GROUP	SPEISIFICATION	OEM GROUP	SPEISIFICATION
API	GL-4	DODGE / JEEP CHRYSLER	CVT+4 NS-2 05191184AA
BMW	BMW Drivelogic 7-speed (Getrag)/DCTF-1 BMW 6-speed DCT BMW MTF LT-5 - BMW DTF 1 BMW MTF-LT-3 - DKG P/N 83 220 440 214 - P/N 83 22 2167 666 P/N 83 22 2 409 710 - P/N 83 22 0 397 244 P/N 83 22 0 306 816 - P/N 83 22 21 47 477 P/N 83 22 21 48 578 - P/N 83 22 21 48 579	BMW	EZL 799A 83 22 0 136 376 83 22 0 429 154
MERCEDES	MB 236.25 - SLS A 001 989 86 03 MB 236.24	MERCEDES	MB-Approval 236.20 A 001 989 46 03
AUDI / VW	TL 52529 (spec) / G 052 529 A2 or A6 (fluid)/ DSG7 = S-Tronic 7/ 7 speed VW (Audi, Seat, Skoda) TL 521 82 (spec) / G 052 182 A2 or A6 (fluid) VW (Audi, Seat, Skoda) 6-speed G 009 317 - G 052 171 - G 052 178 G 052 512 - G 052 527 - G 052 726 G 052 798 - G 055 512 - G 055 529 G 055 549 - G 060 726 - G 070 726	AUDI / VW	AUDI Multitronic TL 521 16 (G 052 516) TL 521 80 (G 052 180 A2)
PEUGEOT CITROEN	PSA DCS 6-speed (GFT)/9734.S2 JWS 2271 - 9730 A8 - P/N 1618078480	PEUGEOT CITROEN	Citroën Elfmatic CVT
FERRARI	7-speed (Getrag)/TE DCT-3	FIAT	Tutela Car CVT N.G
MITSUBISHI	TC-SST 6-speed (GFT) / MZ320065 DiaQueen SSTF-1	MITSUBISHI	CVTF-J1 (MMC DiaQueen CVT Fluid J1) CVTF-J4 and -J4+ (MMC DiaQueen CVT Fluid J4 and J4+) (DiaQueen) SP-III (CVT model only)
FORD	Powershift 6-speed (GFT) WSS-M2C936A - WSS-M2C-200-E1 WSS-M2C-200-D2 - WSS-M2C-200-D3, part # 1490763/1490761	HONDA	Z-1 (CVT model, without starting clutch, not Yes for 2001-2007 Honda Fit & Jazz) - HCF2 HMMF (without starting clutch)
CHRYSLER	Powershift 6-speed (Getrag) 68044345 EA & GA	CHRYSLER	NS-2 - CVTF+4
VOLVO	BOT 341 - P/N 1161838 P/N 1161520-7	VOLVO	CVT 4959
RENAULT	EDC 6-speed (Getrag) - EDC-7 EDC - DC4 - BOT 450	RENAULT	Elfmatic CVT - Elfmatic CVT MV - CVT CK/SK/FK
NISSAN	Powershift 6-speed (GFT) Nissan Genuine Transmission Oil R35 Special - GT-R R35 - GR6 - Nissan DCT Fluid - Nissan LV MT-1	NISSAN / INFINITI	CVT Fluid NS-1 CVT Fluid NS-2 CVT Fluid NS-3
DS	DCS, PSA Part Number 9734 S2 JWS 2271 - 9730 A8 - P/N 1618078480	HYUNDAI / KIA	SP III (CVT model) CVT-1 Genuine CVTF Fluid TC
BUGATTI VEYRON		DAIHATSU	AMMIX CVT Fluid DFE - DFC AMMIX CVTF DFE - DC
HONDA	MTF-III	GM	Saturn DEX-CVT
PORCHE	PDK - Part Number 043 207 29 P/N 043 207 30 - P/N 000 043 20 P/N 999 917 546 00 - Porsche TF 0870 P/N 000.043.305.63 - P/N 999.917.080.00	SUBARU	Lineartronic High Torque (HT) CVT Fluid, K0421Y0700 Lineartronic chain CVT and CVT II Fluid, K0425Y0710 iCVT - iCVT F and FG - ECVT - NS-2
TOYOTA	LF , Toyota LV 75W MT , JWS 2271 , 0888581001	TOYOTA / LEXUS	CVT Fluid TC - FE CVTF 3320
		SUZUKI	CVT Green 1V - CVT Green 2 CVT Green 1 - NS-2 CVTF 4401 - CVTF 3320 - CVTF TC
OTHER	Borg Warner, DCT-1 Pentosin FFL 52529/ TL 52529-C/ G055 529 Pentosin FFL 4 - Pentosin FFL 3 Pentosin FFL 2 PDK transmissieolie voor ZF (DCT Transmission Oil for ZF) ZF/Porsche Oil #999.917.080.00 SAE 75W	OTHER	Chery CVT Fujiyuko I-CVTF FG Idemitsu CVTS-EX1, Mazda JWS 3320 MG Rover EM-CVT Punch CVT Mopar CVTplus4, CVT+4

Doill Trancemax Dual Performance Levels

Copper Corrosion Performance		
Trancemax DUAL	Reference	Other Brands
 <ul style="list-style-type: none"> • Comfortable Gear Shifts • Long life • Ideal RPM • Fuel saving 	 <ul style="list-style-type: none"> • Torque Capacity • Fuel saving • Serial Gear Shifts • High performance and Efficiency 	 <ul style="list-style-type: none"> • Fuel Efficiency in 6 speed + applications • Torque Capacity • Comfortable Take-off
 <ul style="list-style-type: none"> • Limited Torque Capacity • Weak Acceleration • Poor Ride Quality 	 <ul style="list-style-type: none"> • Take off is not as comfortable as Stepped Automatic • Heating and Mechanical Failure 	 <ul style="list-style-type: none"> • Fuel Efficiency in applications less than 5 speed • Package Size
1. Quality	2. Quality	3. Quality



Use of

Doill Trancemax Dual is a fully synthetic SAE 75W viscosity value, dual clutch transmission fluid. This product meets the performance values of major vehicle and equipment manufacturers, Audi, Ford, Peugeot, Renault, BMW, Porsche, Volvo, Mitsubishi and Chrysler (European made models). Also suitable for 6-speed dual clutch DSG of Volkswagen, Seat and Skoda.

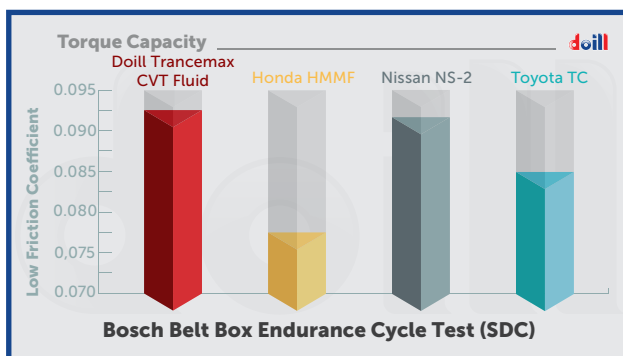
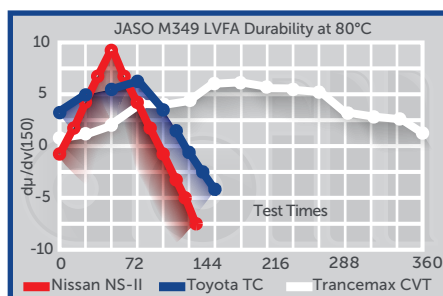
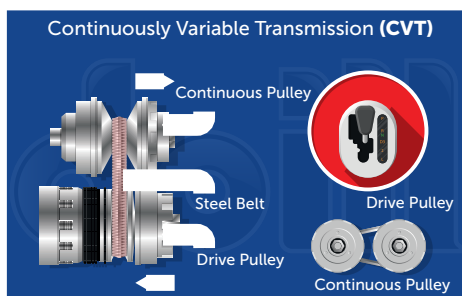
In addition, it meets the performance level of FE 75W transmission oil, and you can easily use Doill Trancemax Dual wherever FE 75W transmission oil is used.

Performance

Advantages of Doill ATF Trancemax Dual synthetic blend for automatic transmission shifts:

- Provides exceptional copper corrosion protection for better hardware durability
- Provides long-lasting oil usage and prevents oil deterioration at high operating temperatures.
- Provides excellent oxidation control to provide longer fluid life.
- Eliminates NVH (Noise Vibration and Harshness) and improves ride quality by providing exceptional torque capacity retention to provide the perfect shift feel.
- Provides oxidation and thermal stability.
- It is fully synthetic.
- Provides smooth gear shifts at low temperatures with its optimized friction feature.
- It provides protection against vibrations in gear shifts.
- Provides extra protection against greasing and residue formation.
- It provides protection thanks to its improved film-forming feature to extend the gear transition life.
- In cold conditions, it protects the fluid structure and protects the gearbox in the first start.
- It has been tested against all weather conditions.

Doill Trancemax CVT Performance Levels



Use Of

Doill Trancemax CVT, as a fully synthetic oil, is a transmission fluid produced especially for use in continuously variable transmissions (CVT) of Japanese passenger cars and other recommended European vehicles. Its superior technology provides longer transmission life.

It is recommended for the drive system in passenger cars. The Doill Trancemax CVT provides higher torque capacity, protection against wear, longer oil performance and a longer comfortable ride for drivers.

Performance

The advantages of Doill Trancemax CVT synthetic oil in automatic transmission transitions:

- It has higher torque capacity.
- It provides protection against wear on the interfaces of the pulleys of the drive gears.
- It provides superior operational efficiency by reducing the risk of loss in belts.
- Provides improved oxidation stability thanks to its excellent viscosity control.
- Provides friction profile maintenance for resistance to vibration.
- Prevents corrosion at metal-to-metal contact points in transmission system parts, especially belts and pulleys.
- Provides strong oil film and good shear stability and maintains oil pressure in the CVT system.
- Provides excellent thermal and oxidation stability.

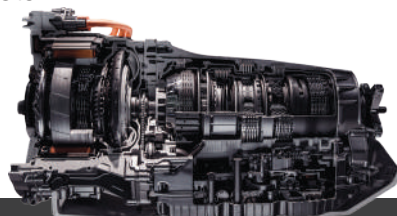
Recommended for CVT Transmission Applications of the Following Brands;

- TOYOTA
- NISSAN
- HONDA
- MITSUBISHI

Hybrid E-CVT and Toroidal CVT are not suggested

Doill DEXRON VI Performance Levels

Doill ATF Dexron 6



ATF SERIES

Meets or exceeds the following performance levels:

OEM GROUP	SPEISIFICATION	OEM GROUP	SPEISIFICATION
JASO	M315-2013 2A M315-2013 1A-LV M315-2013 1A	MITSUBISHI DIAQUEEN	ATF PA AW - J3 - J2 SP-IV - SP-III - SP-II - SK
ZF	ZF 9 speed transmissions ZF 8 speed transmissions ZF all 3 & 4 speed transmission ZF TE-ML 21L, 11A, 11B, 09, 05L	HONDA	Type 3.1 - 3 DW-1 ATF ULTRA II ATF-Z1 (except in CVTs) 08200-9001 - SCS Fluid - BESCO ATF SP - BESCO ATF-III BESCO ATF-II
ALISON	ALISON C4	ISUZU	02JDE26444 - WSS-M2C922A1 - Fluid 8432 - JLM 20292 - K17 ATF 3403 JLM20238 - JLM20238 ATF LT71141, ZF 5HP24, ATF 3403 M115, ATF 3403-M115,
BMW	83 22 2 152 426 - LA2634 - LT71141 (ZF 5 HP 18FL/19FL/24A) - ZF 5HP18FL, 5HP24, 5HP30 - 7045E - ETL 8072B - MINI - 83 22 0 026 922	JAGUAR	02JDE26444 - WSS-M2C922A1 - Fluid 8432 - JLM 20292 - K17 ATF 3403 JLM20238 - JLM20238 ATF LT71141, ZF 5HP24, ATF 3403 M115, ATF 3403-M115,
MERCEDES	MB 236.12, A 001 989 45 03, MB 236.14, A 001 989 68 03, MB 236.15 (except FE benefits), A 001 989 77 03, A 001 989 78 03, MB 236.41	TOYOTA	Hybrid ATF WS ATF T-IV ATF T-III - ATF D-III - ATF D-II
AUDI / VW	G 060 162 (ZF Lifeguardfluid 8) (ZF No. S671 090 312) G 055 162-A2, -A6 (ZF Lifeguardfluid 6 Plus) (ZF No. S671 090 281) G 052 162 (ZF Lifeguardfluid 5) (ZF No. S671 090 170) 052 055 - G 055 540 (A2) - G 052 990 - G 055 025 A2 (JWS 3309) - G 052 162-A1/A2 - G 053 025-A2 - G 052 025-A2 TL 521 62 - US 000 162 5HP (19FL, 24A - 18FL, 30 - HP 30)	PORCHE	Z 000169756 - 000 043 205 28 - 999 917 547 00 (A2) - 000 043 205 09 T-IV (JWS 3309) ATF 3403-M115, ZF 5HP19FL, ZF 5HP20, LT71141
BENTLEY MULSANNE	with 8-sp AT PY112995PA	LAND ROVER	LR023288
PEUGEOT CITROEN	(PSA) AL4 Automatic gearbox oil (#9730.AE) Z 000169756 - ZF 4HP20	MAZDA	ATF 3317 ATF N-1, S-1, F-1, FZ, ATF M-V, M-III, M-II
CHRYSLER DODGE JEEP	68171866AA - 68043742AA - 68157995AA - 68157995AB - 68218925AA - 05127382AA MOPAR AS 68 RC and AS 69 RC (T-IV), JWS 3309 ATF+, +2, +3 (MS 7176E)	HYUNDAI / KIA	Kia NUMM040 CH20 Red-1 040000C90SG - NWS 9638 JWS 3314 Dex-II/ SP-I SP-III - IV-RR - SPH-IV - SP-IV M (SP4-M) SP-IV (00232-1904/04500-00115)
FORD	ESP-M2C166H, XL-12 MERCON® LV (FF-WSS-M2C-938A/SF, XT-10 QLV) FNR5 (Mazda M5, XT-9-QMM5) XT-2-QSM (Syn) - XT-2-ODX (M) WSS M2C 922A1, 924A (XT-8-QAW) JWS 3309 - WSS M2C 138CJ, 166H FNR5 (Mazda M5, XT-9-QMM5)	SUZUKI	ATF 3317 ATF 3314 JWS 3309 ATF 2384K ATF 2326 - AT OIL 5D06 ATF AW-1
FIAT	Samsung SATF-D Matic D2 DPO/AL4	NISSAN	ATF, ATF HP DEXRON®-II ATF SAT K0140Y0700
RENAULT	FIAT T-IV type, JWS 3309	SUBARU	MATIC FLUID S - K - J - D - C
GM	DEXRON®-VI, 93160393 - 9986195 - 88900925 - 22717466 - 21005966 - 1940767 - 1940700	SAAB	93 160 393 93 165 147 T-IV (JWS 3309)
OTHERS	Acura ATF-Z1 Aisin Warner JWS 3309 (T-IV) & JWS 3324 (WS), AW-1 American Motors ATF +3 (MS7176-E) ATF RED 1, RED 1K Bosch TE-ML 09, CAT TO-2 Daewoo LT 71141 Daihatsu AMMIX ATF D-III SP Esso LT 71141, Fuso ATF-A4	OTHERS	Voith Svc Bltn #013 and #118 Voith 55.6335.xx (G607) Vickers M2950-S, I-286-S Texaco N402 - 8072B - 7045-E Ssang yong DSIH 5M-66 Scion (all vehicles) Saturn T-IV (JWS 3309) MINI COOPER T-IV Lexus JWS 3309, MAN 339A

Doill LT 71141 Performance Levels

Doill MULTI-VEHICLE ATF

Doill ATF LT71141

Meets or exceeds the following performance levels:

OEM GRUP	SPESIFICATION	OEM GRUP	SPESIFICATION
ALISON	C4 TES-389B	DAEWOO	LT 71141
ZF	TE-ML 25C - 21L - 20 C - 17C - 16S - 16M - 14C - 14B - 11B - 09 - 05L - 04D - 03D Lifeguard 5, # S671 090 170 Lifeguard 6, # S671 090 255 All 3 & 4 Speed Transmission	HYUNDAI / KIA	Dex-II/ SP-II/ SP-III / SP-IV
JASO	JASO 1A	JEEP	ATF+3
MERCEDES	MB 236.81 MB 236.11	DAIHATSU	AMMIX ATF D-III Multi D3-SP
BMW	ETL7045E - ETL8072B - ZF 5HP18FL, 5HP24, 5HP30 - LT71141 (ZF 5 HP 18FL/19FL/24A) - LA2634	SUBARU	F6 - Red - KO410Y0700 ATF HP - SKU: SOA868V9241
AUDI / VW	Audi G 052 162-A1/A2/A6 (ZF Lifeguardfluid 5) Audi 5 HP LT71141 (ZF 5 HP 18FL/19FL/24A) VW TL 52162 - VW 50160 G 052 025-A2 - G 052 990 A2 G 055 025 A2, G 055 005 A1 / A2 / A6 G US 000 162	OTHERS	Voith H55.6336.xx, JEEP ATF+3 American Motors ATF +3 (MS7176-E) Bosch TE-ML 09, Jatco JF613E CAT TO-2, Esso LT 71141 NAG 1 (Chrysler, Jeep, Cherokee) Vickers M2950-S, I-286-S Aisin Transmissions requiring JWS 3309 MAN 339 Typ Z3, MAN 339 Typ Z12, MAN 339 Typ V2, Aisin Warner JWS 3309, JWS 2312D, CLIP, FF ATF, AW-F21
CHRYSLER	ATF+, +2, +3 (MS 7176E) Dodge/Jeep 05127382AA	MITSUBISHI	P II, IIM, III, PA, J3, SP IV
RENAULT	Elfmatic J6 - Matic D2, D3 DPO/AL4	SUZUKI	AT Oil 5D06 - 2384K JWS 3314 - JWS 3317
PORCHE	Z 000169756 - 999 917 547 00 (A2), 000 043 205 09 - ATF 3403-M115, ZF 5HP19FL, ZF 5HP20, LT71141	HONDA / ACURA	DW 1/2 1 ATF Z1 (except CVTs)
TOYOTA	ATF (D-III - WS - Type T, Type T-II - Type T-III - Type T-IV) JWS 2312D - JWS 3309 - JWS 3324, LF 08886-81015, # 08886-00405	ISUZU	(where Toyota T-IV is required)
VOLVO	97342 - 1161521 - 1161540 - CE 97340 - 97335 - 97325	DAIMLER	ATF +3, ATF +4
OPEL / GM	88900925 - 22 17466 - 21005966 - 1940773 - 1940771 1940700 - 19 40 767 - 19256039 - P/N 88861950 - P/N 88861951 - TASA DEXRON® - IIH - IIIG - IIE - IID - II -	NISSAN / INFINITI	ATF FMS - MATIC S - MATIC D MATIC-J - MATIC K - MATIC W
FORD	ESP-M2C166H, XL-12 XT-2-QSM (Syn) - XT-2-QDX (M) WSS M2C 138CJ, 166H, MERCON®	LAND ROVER	M1375.4 - TYK500050 STC 4863
JAGUAR	JLM 20292 - ATF 3403 JLM20238 - ATF LT71141 ZF 5HP24	BENTLEY	PY112995SPA
FIAT	9.55550-AV1, 9.55550-AV2, 9.55550-AV4	ROLLS ROYCE	PL 31493PA
GM	21005966 - 1940700 DEXRON® - IIH - IIIG - IIE - IID - II - TASA	MASERATI	231603
FORD	ESP-M2C166H, XL-12, XT-2-QSM (Syn) - XT-2-QDX (M) WSS M2C 138CJ, 166H MERCON® Automobiles B71 2340	MINI	ASW 3309 83 22 0 402 413
PEUGEOT / CITROEN	(PSA) AL4 Automatic gearbox oil (#9730 AE - 9730 AC - 9735 EJ) JWS 3309 - Z 000169756	SATURN	T-IV - 22686186
MAZDA	ATF F-1 - ATF M-III - ATF M V - JWS 3317 - FZ - ATF D-II	SAAB	JWS 3309 - 93 165 147

Doill Automatic Transmission Fluids Performance Levels

	Doill ATF 320 Dexron III	Doill ATF 220 Dexron IID
Meets or exceeds the following performance levels:		
OEM GRUP	SPESIFIKATION	SPESIFIKATION
ALISON	C4 TES-389, TES 228	C4 TES-389, TES 228
ZF	ZF TE-ML 03D - 04D - 14A - 17 C	ZF TE-ML 03D - 04D - 11A - 14A
MERCEDES	MB 236.9 MB 236.5	MB 236.7
VOLVO	97341	97340
FORD	FORD MERCON M931220	ESR-M2C163-A2
OPEL / GM	DEXRON III	DEXRON IID
MAN	MAN 339 Typ Z1 MAN 339 Typ V1 MAN 339 Typ L1	MAN 339 Typ Z1 MAN 339 Typ V1
VOITH	Voith H55.6335.xx	VOITH 55.6335.32 (G607)
DEXRON	Dexron® IIH	Dexron® IID
CATERPILLAR	Caterpillar TO-2	Caterpillar TO-2

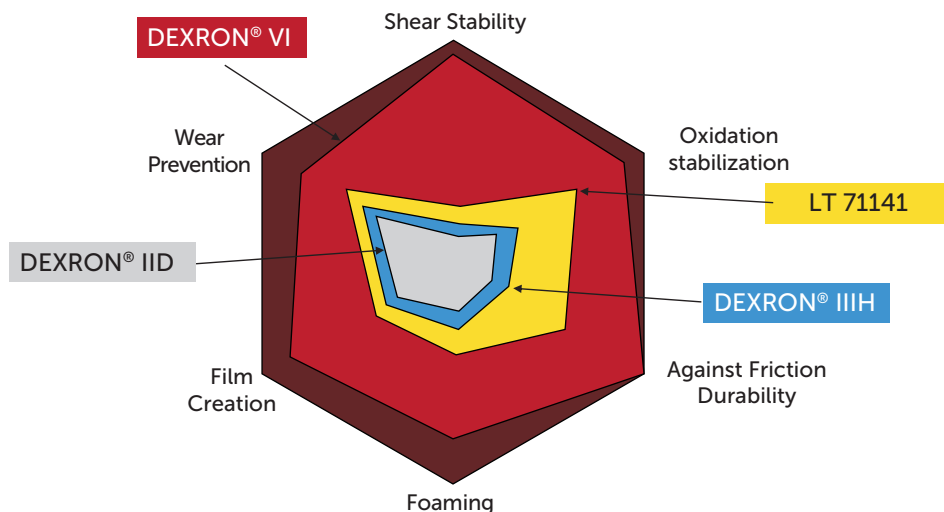
LIFE KEEPER 8 SPEED

Meets or exceeds the following performance levels:	
OEM GRUP	SPESIFIKATION
BMW	83 22 2 289 720 - 83222152426 - ATF3+
CHRYSLER	68157995AA
FIAT	9.55550-AV5
JAGUAR	02JDE26444
LAND ROVER	LR023288
VW	G 060 162

ATF MB 9G 236.17

Meets or exceeds the following performance levels:	
OEM GRUP	SPESIFIKATION
MERCEDES	MB 236.17 - MB 236.16
OTHERS	SN 725.0 9G-Tronic NAG3

Doill DEXRON VI Performance Levels



Use Of

Doill DEXTRON-VI ATF synthetic blend meets and protects the DEXTRON-VI specs needed by GM, Ford, Chrysler, Honda, Hyundai, Kia, Isuzu, Mercedes, BMW, Audi Mitsubishi, Nissan, Toyota, Opel vehicles. It is a high performance automatic transmission oil produced with a synthetic formulation that provides guaranteed protection to the needs of the customers. In addition, it is recommended to be used in old vehicles where all kinds of dextron products are used in order to provide better protection.

Performance

The advantages offered by Doill DEXTRON-VI ATF synthetic blend for Dextron/Mecron-style automatic transmission shifts:

- It reduces fuel consumption..
- Provides long-lasting oil usage and prevents oil deterioration at high operating temperatures.
- Provides oxidation and thermal stability.
- It is fully synthetic.
- It provides smooth gear shifts at low temperatures with its optimized friction feature.
- It provides protection against vibrations in gear shifts.
- Provides extra protection against greasing and residue formation.
- Provides enhanced filming protection to extend gear shift life.
- In cold conditions, it protects the fluid structure and protects the gearbox in the first start.
- It has been tested against all seasonal conditions.

Formulation

- Meets GM's need for DEXRON® VI. It is the main feature used in the USA since 2005.
- It meets Ford's need for MERCON® LV. Its production is recommended for all vehicles with Ford AT from 2000 and up to 2012. • JASO 1A-LV', which is required by Toyota and other Asian-manufactured vehicles meets the
- Doill DEXRON VI does not cover the following.
 - CVT
 - DCT
- Formulated for eight, seven and six-speed automatic transmissions.
- Can be used for many older, three, four and 5-speed automatic transmissions.
- Provides fuel economy with its low viscosity.

**ELECTRIC
VEHICLE FLUIDS**

doilEV
MEGATRON



EV TRANSMISSION FLUID

D1



EV TRANSMISSION FLUID

D2



EV THERMAL FLUID

TF-X



MEGATRON EV TRANSMISSION FLUID

D1

Meets or exceeds the following performance levels:

Always U5
Buick Velite
Chery Tiggo Kunpeng e plus, Jetour X90
Dong Feng Voyah - Dry motors
Enovate ME5
GWM Ora - Dry motor
Hozon Neta
Maxus EUNIQ 7 (fuel cell)
Maxus (LDV) eDeliver 9
Mercedes Benz EQS, EQE+
Mini eMini (in 2022)
Rimac Nevera - Front motor
Pininfarina Battista - Front motor
SGM Velite
Weltmeister EX5 EX6
Vinfast VF e34, VF 8, VF 9

MEGATRON EV TRANSMISSION FLUID

D2

Meets or exceeds the following performance levels:

BYD EV models with Dry motor
Hycan Z03
Jaguar I-Pace
Lixiang One Nio ES6, ES8, EC6, ET7
Polestar 2
Rimac Nevera (Rear motor)
Rivian R1T, R1S
Pininfarina Battista (Rear motor)
Tata Tigor, Limber
Volvo XC40 Recharge, C40 Recharge
Weltmeister W6



EV THERMAL FLUID

TF-X

- Great thermal conductivity and cooling capacity
- Improved oxidation resistance
- Good fire safety
- Higher flash / fire points shows better safety
- Excellent copper protection in both liquid and vapour phase
- Very low electrical conductivity



GEARPLUS
SYN **75W/85**
FH MULTI



GEARPLUS
SYN **75W/80**
VW300



GEARMAX
SYN **75W/90**
HIGGS-B



GEARMAX
AXLE **80W/90**
3000 XR



GEARPLUS
AXLE **90W**
1000 X

GEARPLUS
AXLE **80W**
2000 X

Doill GEARPRO Manuel Gear Oils



Doill Gearplus
SYN VW300 75W-80

Doill Gearplus
SYN FH MULTI 75W-85

Doill Gearplus
SYN HIGGS-B 75W-90

Meets or exceeds the following performance levels:

OEM GROUP	SPESIFICATION	SPESIFICATION	SPESIFICATION
SAE	J 306 / 75W-80	J 306 / 75W-85	J 306 / 75W-90
API	GL4 / GL4+ / GL5	GL4 / GL4+ / GL5	GL-4 / GL4+ / GL-5 / MT-1
ZF	ZF TE-ML 01E, 02E, 16P	Longlife-01	ZF-TE-ML 02B - 05B - 07A - 12B - 16F - 17B
MERCEDES	MB 235.41		MB 235.11
AUDI / VW	TL 52532	VW 500.00 / 502 00 / 505 00	VW 501.50
PEUGEOT CITROEN	PSA B71 2330	B71 2296	
FORD	WSD-M2C200-C		✓
FIAT		9.55550-MZ1	
HYUNDAI			



Doill Gearmax
AXLE 3000 XR 80W-90

Doill Gearmax
AXLE 2000 X 80W

Doill Gearplus
AXLE 1000 X 90W

Meets or exceeds the following performance levels:

OEM GROUP	SPESIFICATION	SPESIFICATION	SPESIFICATION
SAE	80W-90	80W	90W
API	GL5 / GL4	GL4	GL1
ZF	ZF TE-ML 05A, 12E, 16B, 17B, 19B, 21A	ZF TE-ML 17A	
MERCEDES		MB 235.1	

Usage Areas

- Automotive transmission and differential systems
 - Gear groups operating under medium and heavy loads
 - Hypoid differentials
 - Engine-independent motorcycle gear systems
 - High speed/Shock loads, High speed/Low torque and Low torque/High speed
- Used in heavy working conditions such as speed/High torque and other automotive transmission systems.

GEARPRO SYN FH MULTI 75W/85

Specially made by doill for use in Hyundai and Fiat vehicles. are gear oils.



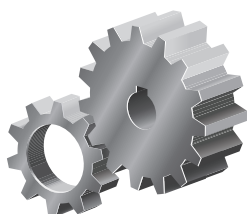
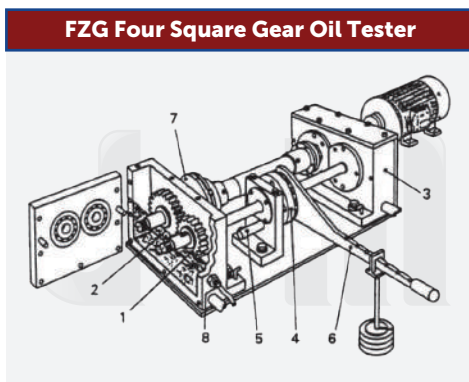
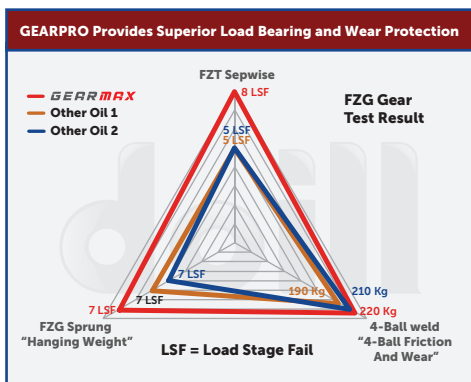
Manual Transmission



Bevel Gear

FZG GEAR OIL TEST

FZG gear oil test Several friction load tests performed at FZG are used to determine the extent to which gear lubricants help prevent friction. The thread looks into the lubrication gap. Friction occurs where gears engage, where roughness peaks sharply at these frictional contact temperatures ('flash temperatures'), friction occurs depending on load, peripheral speed and oil pan temperature. In this contact, the points, surfaces briefly fuse together and break apart again as the gears rotate, resulting in partial destruction of the surfaces. The friction load capacity of a lubricant depends on the base oils used, the additives and the resulting oil film.



1. Test Pawn
2. Test Wheel
3. Drive Gear Box
4. Rotary Coupling
5. Locking Pin
6. Load Handle With Weight
7. Torque Indicator
8. Temperature Sensor

**TRACTOR
OILS**



**MOTO...
...TRAC**
TRANSMISSION 422
10W/30



**MOTO...
...TRAC**
TRANSMISSION 426
10W/30

Doill MOTO-TRAC Tractor Transmission Oils

MOTO TRAC
TRANSMISSION 426MOTO TRAC
TRANSMISSION 426

Meets or exceeds the following performance levels:

UTTO / TRANS SPEC

API	GL-4	GL-4
ALLISON	C-4	
JHON DEERE	J20A, J20B, J20C, J20D	ALFA ROMEO All Models
FORD	M2C86B, C M2C134D	M2C134-D
J.I CASE/CASE Int:	MS-1204,MS-1205, MS-1206,MS-1207,MS-1209	MB 229.31/ 229.51/ 229.52
CHN	MAT 3525, MAT 3526	
MASSEY FERGUSON	M1135, M1141, M1143, M1145	M1110, M1127A, M1127B, M1129A, M1135
CATERPILLAR	Caterpillar T0-2	
VOLVO	WB101 (VCE 97303*)	
NEW HOLLAND	WB NWH 410B	
ZF	TE-ML 03E, 03F, 05E, 05F, 06K, 17E, 21F	
DEUTZ-ALLIS	272843, 257541, 246634	
WHITE FARM EQUIPMENT	Q-1826	
NEW HOLLAND (FIAT)	TE-ML 03E, 03F, 05E, 05F, 06K, 17E, 21F	
NEW HOLLAND (FORD)	FNHA-2-C-200A, FNHA-2-C-201, MAT 3225, 3525, 3526, ESNM2C41-B, ESN-M2C43, ESN-M2C48-A ve ESN-M2C48-B, ESN-M2C53-A ve ESN-M2C53-B, ESN-M2C92-A, ESN-M2C134-A, B, C, D	
KUBOTA	UDT	

HYDRAULIC SPECS

SPERRY VICKERS / EATON	M2950S, I-286-S	M2950S, I-286-S
SAUER SUNSTRAND / DANFOSS	Hydrostatic Trans Fluid	Hydrostatic Trans Fluid

WET BRAKE SPECS

SUITABLE FOR	WET BRAKES	WET BRAKES
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ANTIFREEZE

CONCANTRE ANTIFREEZE



ANTIFREEZE
GREEN FLUIDIZED
concentrate
COOLANT G11

ANTIFREEZE
ORGANIC LONG LIFE
concentrate
COOLANT G11

ANTIFREEZE
BLUE LIFE
concentrate
COOLANT G11

-55 °C READY ANTIFREEZE



ANTIFREEZE
ORGANIC LONG LIFE
-55 °C
COOLANT G11

ANTIFREEZE
BLUE LIFE
-55 °C
COOLANT G11

-39 °C READY ANTIFREEZE



ANTIFREEZE
ORGANIC LONG LIFE
-39 °C
COOLANT G11

ANTIFREEZE
GREEN LIFE
-39 °C
COOLANT G11

-25 °C READY ANTIFREEZE



ANTIFREEZE
ORGANIC LONG LIFE
-25 °C
COOLANT G11

ANTIFREEZE
BLUE LIFE
-25 °C
COOLANT G11

-9 °C READY ANTIFREEZE



ANTIFREEZE
ORGANIC LONG LIFE
-9 °C
COOLANT G11

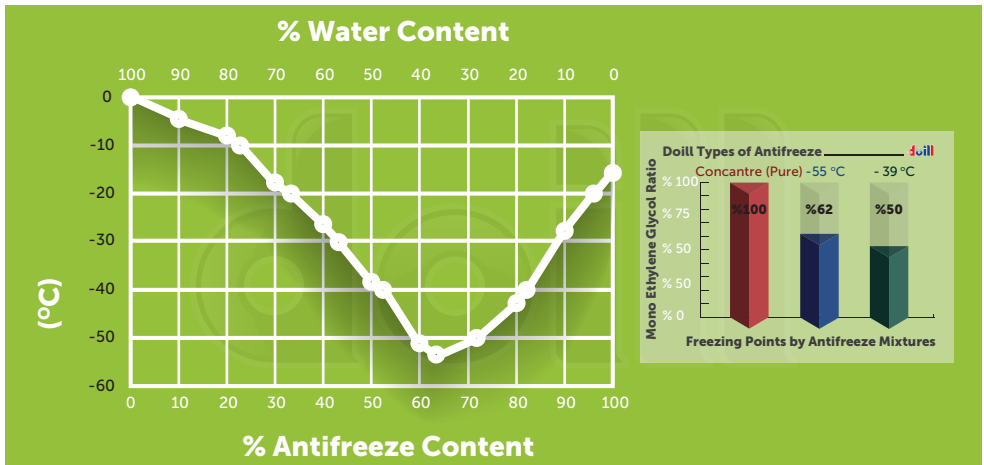
ANTIFREEZE
BLUE LIFE
-9 °C
COOLANT G11

ANTIFREEZE - COOLANT FLUID

Mono Ethylene Glycol Based Antifreezes have three basic functions in the vehicle.

- 1-) Its function as a coolant prevents excessive temperature rise in the engine and provides protection against overheating. In other words, it provides protection by keeping the engine running at the proper temperature.
- 2-) It prevents the engine coolant from freezing in cold weather conditions
- 3-) It protects the engine against deterioration and corrosion by wrapping around the parts it operates in.

- For freezing of heat transfer fluids,
- To donate the engine and complete a certain connection,
- Cooling systems,
- Calerifer systems,
- In solar power plants,
- And it is used in many other sectors.



Doill's Recommended Use

- **Organic** Antifreeze

Maximum Usage

240

.000

Kilo Meter

5 Years

- **Conventional** Antifreeze

Maximum Usage

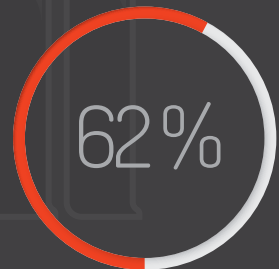
60

.000

Kilo Meter

2 Years

Maximum Performance
Concentrated (Pure)
Antifreeze - Water Ratio



Doill Antifreeze Freezing Points



CONCENTRATED (PURE) ANTIFREZE



ANTIFREEZE

Performance values of mixing with water

MIXING RATIOS	FREEZING DEGREE °C	FREEZING DEGREE °C	FREEZING DEGREE °C
PURE STATE	- 14 °C	- 14 °C	- 14 °C
MIXTURE WITH 40% WATER	- 52.6 °C	- 52.6 °C	- 52.6 °C
MIXTURE WITH 50% WATER	- 36 °C	- 36 °C	- 36 °C
MIXTURE WITH 60% WATER	- 24 °C	- 24 °C	- 24 °C



READY-MIX ANTIFREZE



Performance values of mixing with water

MIXING RATIOS	FREEZING DEGREE °C	FREEZING DEGREE °C	FREEZING DEGREE °C	FREEZING DEGREE °C
PURE STATE	- 55 °C	- 55 °C	- 36 °C	- 36 °C
MIXTURE WITH 50% WATER	- 22 °C	- 22 °C	- 15 °C	- 15 °C



READY-MIX ANTIFREZE



Performance values of mixing with water

MIXING RATIOS	FREEZING DEGREE °C	FREEZING DEGREE °C	FREEZING DEGREE °C	FREEZING DEGREE °C
PURE STATE	- 25 °C	- 25 °C	- 9 °C	- 9 °C

BRAKE FLUID



Doill Super Plus DOT 4

Doill Super Plus DOT 3

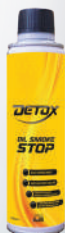
Performance values of mixing with water

	SPESIFICATION	SPESIFICATION
FMVSS	FMVSS 116 DOT 4	FMVSS 116 DOT 3
ISO	ISO 4925 Class 4	ISO 4925 Class 3
JASO	JASO JIS K2233 Class 4	JASO JIS K2233 Class 3
SAE	SAE J1703	SAE J1703
SAE	SAE J1704	AS 1960.1-2005 Grade 1
AS	AS 1960.1-2005 Grade 2	
JIS JAPAN	JIS JAPAN K2233	

OIL ADDITIVE



DETOX
CERAMIC



DETOX
**OIL SMOKE
STOP**

PERFORMANCE OF ENGINE OIL
INCREASES ITS LEVEL

FULL LUBRICATION AT FIRST RUN
PROVIDES

BY INCREASING THE TBN VALUE OF
THE OIL, IT ALLOWS BETTER CLEANING

HIGH TEMPERATURE VISCOSITY
REDUCES LOSSES

INSIDE THE ENGINE
IT CREATES A PROTECTIVE FILM

EXTENDS THE LIFE OF THE ENGINE

IT CAN BE MIXED WITH ALL OILS

CUT BLUE SMOKE

REDUCE OIL BURNING

AT HIGH TEMPERATURE
REDUCE VISCOSITY LOSS

ON WORN ENGINES
REDUCES ENGINE SOUND

INDUSTRIAL OILS

HYDROPRO SERIES

Hydraulic System Oil

SLIDEWAY SERIES

Slideway Lubricants

Doill CUT

Metal Cutting Fluid

AIRCON

Air Conditioner Oil

DOILLGEAR

Gear Oil

PGAUS GREAS

Greas Oil

PLAYWOOD OIL

Mold Release Oil

COMPRESSOR OILS

Compressor Oils

HEAT TRANSFER OILS

Industria Heat Transfer Fluid

GENERAL PURPOSE OILS

General Purpose Oils

LYMON SERIES

Industrial Cleaning Products



SLIDEWAY SERIES

Slideway Lubricants

Doill SLIDEWAY Series are high quality slideway oils developed to meet the requirements of modern machines for processing precision, easy separation with coolants and equipment protection.

Doill SLIDEWAY series is formulated with high quality base oils and controlled friction properties, excellent aqueous cutting fluid compatibility, balanced performance of an advanced additive system that provides protection of workpieces and equipment against rust. The proprietary additive package provides outstanding frictional properties that reduce grip-slip and vibration with a wide variety of slide materials including steel/steel and polymer/steel. This allows for smooth and vibration-free slide movements, which extends the cutting tool life and improves the surface treatment quality, allowing the machine to maintain productivity and precision for a long time. The Doill SLIDEWAY series are high quality slide oils developed to meet the requirements of modern machines for processing precision, easy separation with coolants and equipment protection.



Key Performance Benefits

- Excellent frictional characteristics as demonstrated in the MAG stick-slip test and Schmidt inclined tribotester
- Compatibility with a range of cutting fluids as demonstrated in SKC compatibility testing
- MAG P-47 and P-50 approval
- Excellent antiwear and EP performance
- Good demulse and filtration performance
- Strong thermal stability and anticorrosion properties
- Brugger performance of > 30N/mm2

Doill CUT

Metal Cutting Fluids

Doillcut is a trademark for metal work venues that can blend in with the events exhibited by the Doill scenes. Formulated with innovative base vehicles, additives and emulsifiers, the Doillcut series is material-free and performs well in a wide range of metal work. The products are designed to function hard and soft, providing potential and long-range protection for the machine and center. machine performance with little protection and durability Doill products offer long life for productivity. There is no proximity to humans and the environment. Regarding these products, it is delivered and mixed with water intended for use.

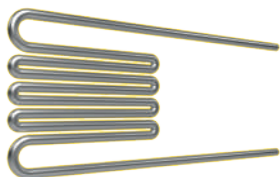


AIRCON

Air Conditioner Oil

Doill ARICON is a air conditioning system oil 46 It is a polyalkylene glycol based, fully synthetic air conditioning system oil containing fluorescent radiation. It is well compatible and miscible with R134a. It complies with the demands of leading air conditioning compressor manufacturers. Complies with ISO VG class 46 in accordance with DIN 51519.

Developed for air conditioning systems with R134a gas. It is manufactured to lubricate, seal and cool sliding and rotating parts in the refrigerant circuit. Vehicle or compressor manufacturers' instructions should be observed before use.



DOILLGEAR

Gear Oil

DOILLGEAR Series oils are designed to prevent wear on the gears from the first starting level. Microscopic abrasions, defined as pitting on their outer surfaces, can cause significant external damage. DOILLGEAR Series oils outperform industry demands for wear protection of bearings. As a matter of fact, DOILLGEAR Series oils showed 15 times more wear protection than desired in the FAG FE8 industrial standard test. The balanced formulation of DOILLGEAR Series provides maximum wear and corrosion protection, and is also compatible with sealing elements commonly used in gearboxes. DOILLGEAR Series prevents oil leaks and ingress of contamination by maintaining the harmony of gearbox and sealing elements. Increases equipment reliability and efficiency by protecting gears, bearings and seals.



PGAUS GREAS

Greas Oil

Produced from calcium soaps, it provides fast and effective lubrication in various application areas where the operating temperature is not high. It has a high pumping ability. It is used especially in low speed plain bearings operating under normal load, in medium speed and loaded conditions, where the operating temperature does not exceed 70°C.



PLAYWOOD OIL

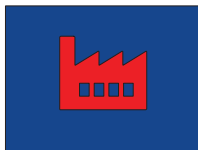
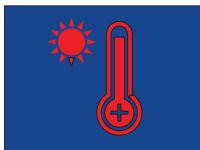
Mold Release Oil

Mineral oil-based, ready-to-use mold release agent that allows easy separation of Playwood molds from fresh concrete and provides a smooth and spotless surface to the concrete.

COMPRESSOR OILS

Industrial Cleaning Products

The Compressor Oil 4000 Series consists of premium performance, ashless air compressor oils designed to meet the stringent requirements of leading compressor manufacturers. It is formulated with high quality mineral base oils and a high performance additive system developed to provide superior equipment protection and reliability for compressors operated in mild to harsh conditions. These oils provide excellent protection against wear and reduce maintenance costs by reducing equipment problems and minimizing deposit build-up and carryover. Thanks to their high FZG Ratings, Compressor Oil 4000 Series are excellent oils for compressor systems with gears and bearings, making them excellent choices as crankcase and cylinder oils.



HEAT TRANSFER OILS

Industria Heat Transfer Fluid

Produced with well-refined paraffinic base oils. It does not have a corrosive effect on steel and copper, it has very good thermal stability and oxidation resistance. It is used safely up to an operating temperature of 315°C in closed systems and 200°C in open systems. It has high specific heat and thermal conductivity. Evaporation is low, low temperature operation is good.

Features and Benefits

- Provides the opportunity to work at very high temperatures thanks to its high thermal stability.
- High resistance to oxidation provides long service life
- Although it has a long life, it maintains its heat transfer feature and ensures efficiency from the system.
- It is resistant to deterioration at high temperatures and does not form deposits.
- Protects the system very well against corrosion.
- Provides ease of operation at low temperatures



GENERAL PURPOSE OILS

General Purpose Oils

Formulated using high quality paraffinic base oils, it prevents wear, rust and corrosion by forming an excellent oil film in the lubrication of moving metal equipment, and prolongs the life of the parts.

LYMON SERIES

Industrial Cleaning Products

Lymon Hand Wash Cream

- It cleans the hard dirt on the hands deeply thanks to its powerful formula and the particles in it.
- Refreshes with lemon scent.
- It saves time, water and product.



LYMON ENGINE Cleaner Fluid is a concentrated engine cleaning fluid. It can be used by diluting with 1/3, and can be diluted with more water as needed. With its ultra-developed formula, it cleans dirt and grease without damaging the vehicle's engine and plastic parts. Provides superior cleaning for engines, drives, machines, parts and bodywork.





MOTOR OIL
www.doill.com.tr



MOTOR OIL
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- ***Motor Oils***
- ***Transmission Oils***
- ***Automatic Transmission Oils***
- ***Oils Additive***
- ***Industrial Oils***
- ***Grease Oils***
- ***Brake Fluids***



***Enjoy Your Ride With Doill Products
As The Doill Family,
Your Comfort And Happiness
Is Our Happiness.***

About US

Doill is a petrochemical company.

Doill helps to meet the mineral oil needs of the developing world within the framework of environmental and social responsibility.

It appeared on the world stage in the 1960s with the brand name DOĞAN. After 2000, it continued to produce with the Doill brand.

The Doill family is a Turkish company that has gained decades of experience, produces in the fields of mineral oil, grease, antifreeze, brake fluid and special products, has taken its place in the race with international companies by adapting itself to the developing technology, and has made breakthroughs in the field of R&D and laboratory.

Over the years, it has established relations with OEM manufacturers, followed their product specs, and enriched the principle of meeting official approval performance levels with R & D studies and applications, and succeeded in producing products with product quality that are even higher than the demand of the market. With the principle of keeping the price / performance ratio high, it has become the most assertive brand in the market.

The Doill family has produced ultra-quality products that will compete in market conditions with superior base oils and new technology additives. Today, it has taken its place assertively in the sector with its wide range of products. In the product production process, it is at world quality standards with its high-capacity production facility, R&D and quality control laboratory, product filling and packaging untouched throughout the production process.

For more than half a century, the Doill family has built solid ground and expertise, now providing new opportunities for the rapidly expanding lubricants market.

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Lubricant Is Our Business

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