



LUBRICANTS FOR  
COMMERCIAL VEHICLES

**Taif**  
lubricants

**Taif**  
lub.

**2019**

YEAR OF  
INCORPORATION

**270+**

PRODUCTS

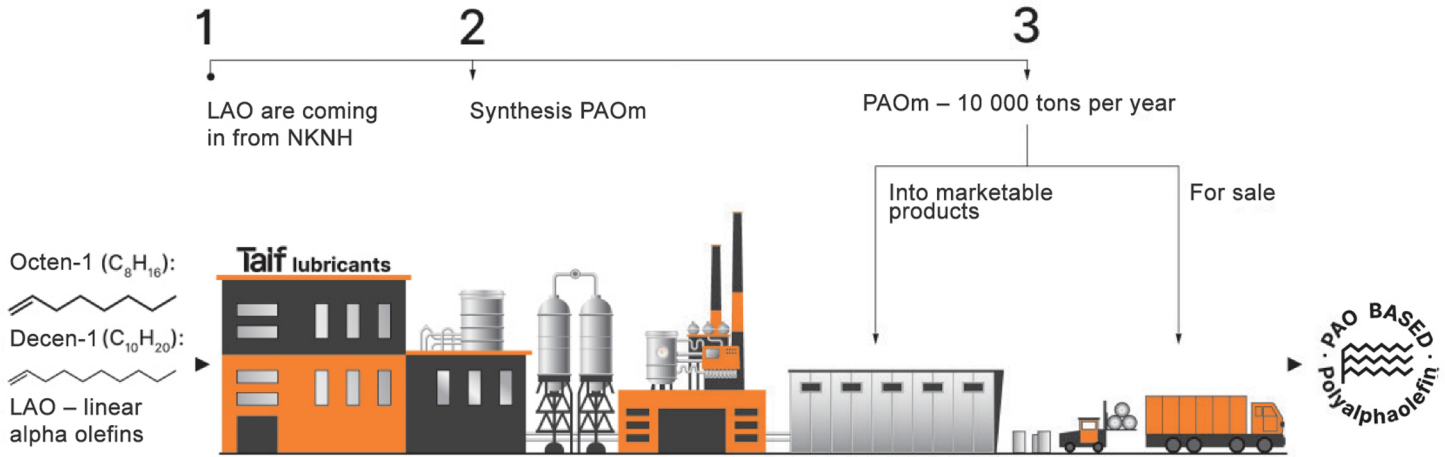


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Head Office, R&D

● Nizhnekamsk  
Manufacturing

● Naberezhnye Chelny  
Dealer LLC Rumagroups

**AC BASED**  
**phaolefin**



TAIF Lubricants is an innovative enterprise, part of the TAIF Group of Companies.

The product range is represented by flagship industrial lubricants, oils for passenger cars and commercial vehicles.

The use of polyalphaolefin base oils produced in-house and the use of modern technologies allow the company to

create products that exceed the requirements of global equipment manufacturers.



## UNISON

All-season fully synthetic engine oil with reduced content of sulfur, phosphorus and ash with energy-saving properties. Developed for modern heavy-duty turbocharged diesel engines meeting Euro-6 environmental requirements and equipped with exhaust gas emission reduction systems, including diesel particulate filters (DPF). Produced on the basis of polyalphaolefins (PAO) with a technological additive package.

Indicator	Test method	TAIF UNISON 10W-30
Kinematic viscosity at 100°C, mm <sup>2</sup> /sec	ASTM D445	10,5
Viscosity index	ASTM D2270	150
Sulfate ash content, %	ASTM D874	1,0
Alkaline number, mg KOH/g	ASTM D2896	9
Flash point, °C	ASTM D92	231
Solidification temperature, °C	ASTM D97	-45
Density at 15 °C, kg/m <sup>3</sup>	ASTM D1298	855

### Viscosity classes Specifications and approvals

**10W-30**

**API FA-4**  
**Detroit Diesel DDC93K223**  
**Cummins CES 20087**



## SONOR

All-season fully synthetic motor oils with reduced content of sulfur, phosphorus and ash. Developed for modern heavy-duty turbocharged diesel engines meeting Euro-6 environmental requirements and equipped with exhaust gas emission reduction systems, including diesel particulate filters (DPF).

Indicator	Test method	TAIF SONOR	
		10W-30	15W-40
Kinematic viscosity at 100°C, mm <sup>2</sup> /sec	ASTM D445	10,7	14,2
Viscosity index	ASTM D2270	154	147
Sulfate ash content, %	ASTM D874	1,0	1,0
Alkaline number, mg KOH/g	ASTM D2896	9,3	9
Flash point, °C	ASTM D92	237	239
Solidification temperature, °C	ASTM D97	-43	-42
Density at 15 °C, kg/m <sup>3</sup>	ASTM D1298	853	859
Dynamic viscosity MRV, mPa-s	ASTM D4684	12733	13938
CCS dynamic viscosity, mPa-s	ASTM D5293	4335	4592

### Viscosity classes Specifications and approvals

**10W-30**

**15W-40**

**ACEA E7/E9**  
**MB-Approval 228.31**  
**MAN M 3575**  
**Caterpillar ECF-3**  
**MTU Cat. 2.1**  
**Detroit Diesel DDC93K222**

**API CK-4/CJ-4/SN**  
**VOLVO VDS-4.5**  
**Renault RLD-3**  
**Mack EOS-4.5**  
**Cummins CES 20086**  
**DEUTZ DQC III-10LA**





## RUBATO

All-season fully synthetic motor oils with reduced content of sulfur, phosphorus and ash. Developed for modern heavy-duty turbocharged diesel engines meeting Euro-6 environmental requirements and equipped with exhaust gas emission reduction systems, including diesel particulate filters (DPF).

Indicator	Test method	TAIF RUBATO	
		5W-30	10W-40
Kinematic viscosity at 100°C, mm <sup>2</sup> /sec	ASTM D445	10,9	14,3
Viscosity index	ASTM D2270	158	155
Sulfate ash content, %	ASTM D874	1,0	1,0
Alkaline number, mg KOH/g	ASTM D2896	9,6	9,5
Flash point, °C	ASTM D92	229	223
Solidification temperature, °C	ASTM D97	-52	-48
Density at 15 °C, kg/m <sup>3</sup>	ASTM D1298	849	860
Dynamic viscosity MRV, mPa-s	ASTM D4684	23751	27356
CCS dynamic viscosity, mPa-s	ASTM D5293	6111	6155

### Viscosity classes Specifications and approvals

**5W-30**  
**10W-40**

**ACEA E6, E7**  
**MB 228.51**  
**Scania LDF-4**  
**MTU Cat. 3.1**  
**MAN M 3477 (10W-40)**

**VOLVO VDS-3**  
**Renault RLD-2**  
**Mack EO-N**  
**Deutz DQC-IV-10LA**



## TIRATA

All-season fully synthetic motor oil based on polyalphaolefins (PAO) with increased neutralizing properties. Developed for modern heavy-duty turbocharged diesel engines meeting Euro-5 environmental requirements and equipped with exhaust gas emission reduction systems (SCR,  $\text{EGR}$ ).

Indicator	Test method	TAIF TIRATA		
		5W-30	5W-40	10W-40
Kinematic viscosity at 100°C, mm <sup>2</sup> /sec	ASTM D445	11,3	14,8	14,7
Viscosity index	ASTM D2270	160	165	149
Sulfate ash content, %	ASTM D874	1,6	1,6	1,6
Alkaline number, mg KOH/g	ASTM D2896	14	14	14
Flash point, °C	ASTM D92	228	230	233
Solidification temperature, °C	ASTM D97	-51	-50	-50
Density at 15 °C, kg/m <sup>3</sup>	ASTM D1298	855	859	858
Dynamic viscosity MRV, mPa-s	ASTM D4684	32817	33512	17717
CCS dynamic viscosity, mPa-s	ASTM D5293	5764	5945	6462

### Viscosity classes Specifications and approvals

**5W-40**  
**5W-30**  
**10W-40**

**ACEA E4, E7**  
**API CI-4**  
**MB-Approval 228.5**  
**MAN M 3277**  
**MTU Cat. 3**  
**Cummins CES 20078**  
**VOLVO VDS-3**

**Caterpillar ECF-2**  
**Renault RLD-2**  
**Mack EO-N**  
**Deutz DQC-IV-10**  
**Scania LDF-3**  
**DAF Extended Drain**



## INTRA LL

All-season fully synthetic motor oils with increased neutralizing properties. Developed for modern heavy-duty turbocharged diesel engines meeting Euro-5 environmental requirements and equipped with exhaust gas emission reduction systems (SCR, EGR). Produced on the basis of polyalphaolefins (PAO) with a technological additive package.

Indicator	Test method	TAIF INTRA LL	
		10W-40	15W-40
Kinematic viscosity at 100°C, mm <sup>2</sup> /sec	ASTM D445	14,5	14,45
Viscosity index	ASTM D2270	148	128
Sulfate ash content, %	ASTM D874	1,1	1,2
Alkaline number, mg KOH/g	ASTM D2896	15	15
Flash point, °C	ASTM D92	230	238
Solidification temperature, °C	ASTM D97	-52	-48
Density at 15 °C, kg/m <sup>3</sup>	ASTM D1298	869	870
Dynamic viscosity MRV, mPa-s	ASTM D4684	19200	16845
CCS dynamic viscosity, mPa-s	ASTM D5293	6420	5990

### Viscosity classes Specifications and approvals

<b>10W-40</b>	<b>API CI-4</b>	<b>Cummins 20078</b>
<b>15W-40</b>	<b>ACEA E4</b>	<b>VOLVO VDS -3</b>
	<b>JASO DH-1</b>	<b>Mack EO-N</b>
	<b>MB 228.5</b>	<b>DQC-IV-10</b>
	<b>MAN 3277</b>	



## INTRA

All-season semi-synthetic motor oils. Developed for heavy-duty turbocharged diesel engines meeting Euro-5 environmental requirements and equipped with exhaust gas emission reduction systems (EGR, SCR).

Indicator	Test method	TAIF INTRA		
		10W-30	10W-40	15W-40
Kinematic viscosity at 100°C, mm <sup>2</sup> /sec	ASTM D445	11,6	14,8	15,1
Viscosity index	ASTM D2270	145	153	140
Sulfate ash content, %	ASTM D874	1,3	1,3	1,3
Alkaline number, mg KOH/g	ASTM D2896	10	10	10
Flash point, °C	ASTM D92	220	228	234
Solidification temperature, °C	ASTM D97	-44	-43	-41
Density at 15 °C, kg/m <sup>3</sup>	ASTM D1298	866	867	875
Dynamic viscosity MRV, mPa-s	ASTM D4684	25225	24581	20366
CCS dynamic viscosity, mPa-s	ASTM D5293	6164	5719	6000

### Viscosity classes Specifications and approvals

<b>10W-30</b>	<b>ACEA E7</b>	<b>API CI-4/SL</b>
<b>10W-40</b>	<b>MB-Approval 228.3</b>	<b>VOLVO VDS-3</b>
<b>15W-40</b>	<b>MAN M 3275-1</b>	<b>Renault RLD-2</b>
	<b>Caterpillar ECF-2</b>	<b>Mack EO-N</b>
	<b>Deutz DQC-III-10</b>	<b>MTU Cat. 2</b>
	<b>Cummins CES 20078</b>	<b>ПАО «АВТОДИЗЕЛЬ» (ЯМЗ)</b>



## NOTE CNG

All-season motor oils produced on the basis of hydrocracking base oils, using a package of additives with reduced content of sulfur, phosphorus and ash. Developed for heavy-duty engines of commercial vehicles operating on compressed natural gas (CNG) or liquefied petroleum gas (LPG).

Indicator	Test method	TAIF NOTE CNG	
		10W-40	15W-40
Kinematic viscosity at 100°C, mm <sup>2</sup> /sec	ASTM D445	14,9	14,6
Viscosity index	ASTM D2270	164	136
Sulfate ash content, %	ASTM D874	0,9	0,9
Alkaline number, mg KOH/g	ASTM D2896	7,3	7,4
Flash point, °C	ASTM D92	231	226
Solidification temperature, °C	ASTM D97	-40	-39
Density at 15 °C, kg/m <sup>3</sup>	ASTM D1298	859	875
Dynamic viscosity MRV, mPa-s	ASTM D4684	22648	22270
CCS dynamic viscosity, mPa-s	ASTM D5293	4313	6343

### Viscosity classes Specifications and approvals

10W-40  
15W-40

API CF  
MB 226.9  
MAN 3271-1



## LARGO

Motor oils meeting API CF-4/SG requirements. Developed for heavy-duty diesel engines meeting Euro-2 environmental requirements.

Indicator	Test method	TAIF LARGO		
		10W-40	15W-40	40
Kinematic viscosity at 100°C, mm <sup>2</sup> /sec	ASTM D445	14,1	13,9	14,0
Viscosity index	ASTM D2270	154	145	96
Sulfate ash content, %	ASTM D874	1,3	1,3	1,4
Alkaline number, mg KOH/g	ASTM D2896	10,2	10,2	10,1
Flash point, °C	ASTM D92	234	237	247
Solidification temperature, °C	ASTM D97	-45	-42	-20
Density at 15 °C, kg/m <sup>3</sup>	ASTM D1298	863	869	897

### Viscosity classes Specifications and approvals

10W-40  
15W-40  
40

API CF-4/SG



## SHIFT ATF DX IIIH

Transmission fluid for automatic transmissions, produced on the basis of synthetic base oils with the addition of a functional additive package with improved anti-wear properties.

Indicator	Test method	TAIF SHIFT ATF DX IIIH
Kinematic viscosity at 100°C, mm <sup>2</sup> /sec	ASTM D445	7,4
Viscosity index	ASTM D2270	185
Dynamic viscosity, mPa-s	ASTM D2983	11660
Flash point, °C	ASTM D92	214
Solidification temperature, °C	ASTM D97	-50
Density at 15 °C, kg/m <sup>3</sup>	ASTM D1298	846

### Specifications and approvals

GM DEXRON IIIH



## SHIFT ATF DX II

Transmission fluid for automatic transmissions, produced on the basis of high quality base oils with the addition of a functional additive package that effectively protects the parts of the automatic transmission.

Indicator	Test method	TAIF SHIFT ATF DX II
Kinematic viscosity at 100°C, mm <sup>2</sup> /sec	ASTM D445	7,1
Viscosity index	ASTM D2270	168
Dynamic viscosity, mPa-s	ASTM D2983	45800
Flash point, °C	ASTM D92	211
Solidification temperature, °C	ASTM D97	-53
Density at 15 °C, kg/m <sup>3</sup>	ASTM D1298	862

### Specifications and approvals

GM DEXRON IID



## SHIFT GL-4/GL-5 PAO

Universal gear oil produced on high quality polyalphaolefin (PAO) base with addition of modern additive package providing excellent tribological characteristics.

Indicator	Test method	TAIF SHIFT GL-4/GL-5 75W-90 PAO
Kinematic viscosity at 100°C, mm <sup>2</sup> /sec	ASTM D445	15,5
Viscosity index	ASTM D2270	133
Dynamic viscosity, mPa-s	ASTM D2983	120000
Flash point, °C	ASTM D92	220
Solidification temperature, °C	ASTM D97	-55
Density at 15 °C, kg/m <sup>3</sup>	ASTM D1298	859

### Viscosity classes Specifications and approvals

#### 75W-90

API GL-4  
MIL-PRF-2105E  
Volvo 97312  
Mack GO-J  
ZF TE-ML 02B, 05A,  
07A, 12N, 16F, 17B,  
19C, 21A, 24A

API GL-5  
Scania STO 2:0A FS  
MB 235.8  
DETROIT DIESEL DFS93K219.01  
MAN 342 M3, S1, 341 Z2  
ARVIN MERITOR 0-76-N



## SHIFT GL-4/GL-5

Universal gear oil, produced on a high-quality synthetic base with the addition of a modern additive package, providing excellent tribological characteristics.

Indicator	Test method	TAIF SHIFT GL-4/GL-5 75W-90
Kinematic viscosity at 100°C, mm <sup>2</sup> /sec	ASTM D445	15
Viscosity index	ASTM D2270	165
Dynamic viscosity, mPa-s	ASTM D2983	112200
Flash point, °C	ASTM D92	210
Solidification temperature, °C	ASTM D97	-42
Density at 15 °C, kg/m <sup>3</sup>	ASTM D1298	851

### Viscosity classes Specifications and approvals

#### 75W-90

API GL-4  
API GL-5



## SHIFT GL-4

All-season gear oils produced on high-quality mineral (SAE 80W-85, 80W-90) and semi-synthetic (SAE 75W-85, 75W-90) base oils with the addition of a package of functional additives that reliably protect manual transmissions.

Indicator	Test method	TAIF SHIFT GL-4			
		75W-85	75W-90	80W-85	80W-90
Kinematic viscosity at 100°C, mm <sup>2</sup> /sec	ASTMD445	12,7	15,5	12,6	14,7
Viscosity index	ASTMD2270	156	166	99	98
Dynamic viscosity, mPa-s	ASTMD2983	127800	142800	69600	134600
Flash point, °C	ASTM D92	204	209	234	241
Solidification temperature, °C	ASTM D97	-45	-45	-36	-37
Density at 15 °C, kg/m <sup>3</sup>	ASTM D1298	857	850	891	890

### Viscosity classes Specifications and approvals

75W-85  
75W-90  
80W-85  
80W-90

API GL-4  
ZF TE-ML 08, 24A



## SHIFT GL-5

All-season gear oils produced on high quality mineral (SAE 80W-90, 85W-140) and semi-synthetic (SAE 75W-90, 80W-140) base oils with the addition of a package of functional additives that reliably protect transmission units.

Indicator	Test method	TAIF SHIFT GL-5			
		75W-90	80W-90	80W-140	85W-140
Kinematic viscosity at 100°C, mm <sup>2</sup> /sec	ASTM D445	15,1	14,3	28,43	25,2
Viscosity index	ASTM D2270	169	99	144	108
Dynamic viscosity, mPa-s	ASTM D2983	115000	133400	75000	19480
Flash point, °C	ASTM D92	210	240	226	228
Solidification temperature, °C	ASTM D97	-41	-38	-39	-21
Density at 15 °C, kg/m <sup>3</sup>	ASTM D1298	851	889	872	902

### Viscosity classes Specifications and approvals

75W-90  
80W-90  
80W-140  
85W-140

API GL-5  
MAN 342 M2  
ZF TE-ML 05A, 07A, 08, 12E, 16D, 17B, 19B, 21A, 24A  
Scania STO 1:0  
Volvo 97321





## ADAGIO TO-4

Transmission-hydraulic oils produced on the basis of high-quality base components with the addition of a modern additive package providing excellent tribological characteristics.

Indicator	Test method	TAIF ADAGIO TO-4		
		10W	30	50
Kinematic viscosity at 100°C, mm <sup>2</sup> /sec	ASTM D445	6,4	11,5	18,6
Viscosity index	ASTM D2270	114	109	90
Flash point, °C	ASTM D92	224	234	250
Solidification temperature, °C	ASTM D97	-43	-40	-24
Density at 15 °C, kg/m <sup>3</sup>	ASTM D1298	877	885	902

### Viscosity classes Specifications and approvals

10W  
30  
50

API GL-4  
Caterpillar TO-4  
Allison C-4  
Komatsu KES 07.868.01  
ZF TE-ML 03C, 07F



## CELLO UTTO

All-season universal transmission-hydraulic oils UTTO (Universal tractor transmission oil), produced on the basis of high quality base components with the addition of a modern additive package, providing excellent tribological characteristics.

Indicator	Test method	TAIF CELLO UTTO	
		5W-30	10W-30
Kinematic viscosity at 100°C, mm <sup>2</sup> /sec	ASTM D445	9,8	10,1
Viscosity index	ASTM D2270	154	144
Flash point, °C	ASTM D92	220	226
Solidification temperature, °C	ASTM D97	-47	-44
Density at 15 °C, kg/m <sup>3</sup>	ASTM D1298	863	868


### Viscosity classes Specifications and approvals


5W-30  
10W-30


API GL-4  
Allison C-4  
CNH MAT 3525  
VOLVO CE WB 101  
J I Case MS 1207/9  
CMS M1145  
JDM J20C



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