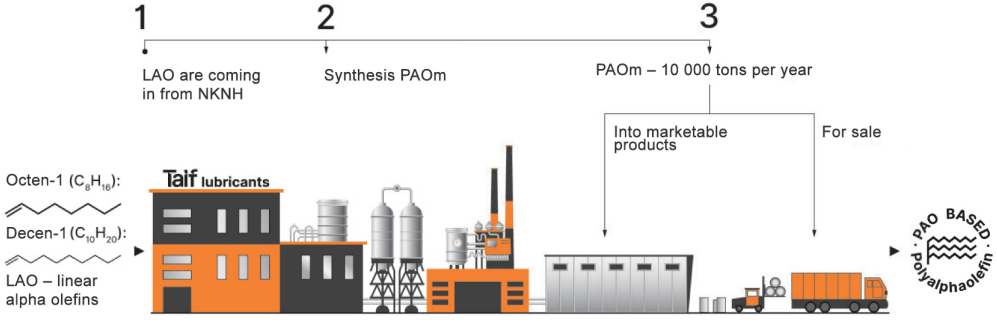
Taif
lubricants

LUBRICANTS
PAO BASED

Taif lub.

2019
YEAR OF INCORPORATION

270+
PRODUCTS



TAIF Lubricants is an innovative enterprise, part o f TAIF Group of Companies. The product range includes 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 us to create products that exceed the requirements of world equipment manufacturers.

Meet PAO-based oils in a new design!

TAIF ALLEGRO

TAIF VITE C3

PAO BASED Polyalphaolefin

TAIF TANTO

TAIF VIVACE

TAIF SHIFT PAO

TAIF VITE C3

Synthetic motor oils for modern gasoline and diesel engines of passenger cars, including those equipped with turbocharging and exhaust gas emission reduction systems, including diesel particulate filters (DPF). Produced on the basis of polyalphaolefins (PAO) with the use of technological low ash additive package.

Indicator	Test method	TAIF VITE C3	
		0W-30	5W-30
Kinematic viscosity at 100 °C, mm2/s	ASTM D445	10,7	11,0
Viscosity index	ASTM D2270	174	155
Dynamic viscosity MRV, mPa·sec	ASTM D4684	25637	27054
CCS dynamic viscosity, mPa·sec	ASTM D5293	5608	6064
Sulfate ash content, %	ASTM D874	0,73	0,72
Alkaline number, mg KOH/g	ASTM D2896	7,3	7,5
Flash point, °C	ASTM D92	228	229
Solidification temperature, °C	ASTM D97	-53	-48
Density at 15 °C, kg/m3	ASTM D1298	851	852

Viscosity classes

0W-30
5W-30

Specifications and approvals

ACEA C3
MB-Approval 229.51 (5W-30)
VW 504 00/507 00
API SN (5W-30)
Porsche C30
BMW Longlife-04 (5W-30)

PVL

TAIF ALLEGRO

Synthetic motor oils developed for the new generation of gasoline engines of passenger cars and possessing energy-saving properties. Produced on the basis of polyalphaolefins (PAO) and technological additive package.

Indicator	Test method	TAIF ALLEGRO		
		0W-20	5W-20	5W-30
Kinematic viscosity at 100 °C, mm2/s	ASTM D445	9,0	8,4	11,3
Viscosity index	ASTM D2270	158	147	153
Dynamic viscosity MRV, mPa·sec	ASTM D4684	17212	16449	19388
CCS dynamic viscosity, mPa·sec	ASTM D5293	5733	5431	5962
Sulfate ash content, %	ASTM D874	0,79	0,78	0,79
Alkaline number, mg KOH/g	ASTM D2896	7,3	7,2	7,3
Flash point, °C	ASTM D92	223	228	227
Solidification temperature, °C	ASTM D97	-54	-53	-53
Density at 15 °C, kg/m3	ASTM D1298	849	855	856

Viscosity classes

0W-20
5W-20
5W-30

Specifications and approvals

API SP
ILSAC GF-6A

TAIF VIVACE

Synthetic motor oils for modern gasoline and diesel engines of passenger cars. Produced on the basis of poly alphaolefins (PAO) and technological additive package.

Indicator	Test method	TAIF VIVACE 0W-40	5W-40	10W-40
Kinematic viscosity at 100 °C, mm2/s	ASTM D445	14,1	14,6	14,1
Viscosity index	ASTM D2270	168	164	155
Dynamic viscosity MRV, mPa·sec	ASTM D4684	28662	29441	15820
CCS dynamic viscosity, mPa·sec	ASTM D5293	5929	6051	4505
Sulfate ash content, %	ASTM D874	1,1	1,2	1,2
Alkaline number, mg KOH/g	ASTM D2896	10	10	10
Flash point, °C	ASTM D92	227	227	230
Solidification temperature, °C	ASTM D97	-54	-53	-51
Density at 15 °C, kg/m3	ASTM D1298	846	854	865

Viscosity classes

0W-40
5W-40
10W-40

Specifications and approvals

API SN/CF
MB-Approval 229.5 (5W-40)
Renault RN 0710/0700 (except 0W-40)
ACEA A3/B4 (except 0W-40)
Porsche A40 (5W-40)
VW 502 00/VW 505 00 (5W-40) PSA B712300 (10W-40)

TAIF TANTO

Synthetic motor oils for modern gasoline engines of passenger cars with fuel efficiency. Produced on the basis of polyalphaolefins (PAO) and technological additive package.

Indicator	Test method	TAIF TANTO 0W-20	5W-20	5W-30	10W-30
Kinematic viscosity at 100 C, mm2/s	ASTM D445	8,6	8,5	10,6	11,3
Viscosity index	ASTM D2270	164	153	163	150
Dynamic viscosity MRV, mPa·sec	ASTM D4684	26076	21134	19556	10874
CCS dynamic viscosity, mPa·sec	ASTM D5293	6067	5907	5277	4021
Sulfate ash content, %	ASTM D874	0,88	0,87	0,86	0,86
Alkaline number, mg KOH/g	ASTM D2896	7,3	7,4	7,3	7,3
Flash point, °C	ASTM D92	231	230	227	234
Solidification temperature, °C	ASTM D97	-48	-45	-44	-50
Density at 15 °C, kg/m3	ASTM D1298	842	844	847	857

Viscosity classes

0W-20
5W-20
5W-30
10W-30

Specifications and approvals

API SN
ILSAC GF-5

GL

TAIF SHIFT PAO GL-4/GL-5

Indicator	Test method	TAIF SHIFT PAO GL-4/GL-5 75W-90
Kinematic viscosity at 100 °C, mm2/s	ASTM D445	15,5
Viscosity index	ASTM D2270	133
Dynamic viscosity, mPa·sec	ASTM D2983	120000
Flash point, °C	ASTM D92	220
Solidification temperature, °C	ASTM D97	-55
Density at 15 °C, kg/m3	ASTM D1298	859

Universal gear oil for gearboxes, produced on a high-quality polyalphaolefin (PAO) base with the addition of a modern additive package, providing excellent tribological characteristics.

Viscosity classes 75W-90

Specifications and approvals

API GL-4
MIL-PRF-2105E
Volvo 97312
Macfi 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

CVL

TAIF RUBATO

Indicator	Test method	TAIF RUBATO	
		5W-30	10W-40
Kinematic viscosity at 100 °C, mm2/s	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/m3	ASTM D1298	849	860
Dynamic viscosity MRV, mPa·sec	ASTM D4684	23751	27356
CCS dynamic viscosity, mPa·sec	ASTM D5293	6111	6155

All-season fully synthetic motor oils with reduced sulfur, phosphorus and ash content. Developed for modern heavy-duty diesel engines with turbocharged engines meeting Euro6 environmental requirements and equipped with emission reduction systems, including diesel particulate filters (DPF).

Viscosity classes 5W-30, 10W-40

Specifications and approvals

ACEA E6, E7
MB 228.51
Scania LDF-4
MTU Cat. 3.1
MAN M 3477 (10W-40)
VOLVO VDS-3
Renault RLD-2
Macfi EO-N
Deutz DQC-IV-10LA

TAIF UNISON

Indicator	Test method	TAIF UNISON 10W-30
Kinematic viscosity at 100 °C, mm2/s	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/m3	ASTM D1298	855

All-season fully synthetic motor oil with reduced content of sulfur, phosphorus and ash with energy saving properties. Developed for modern heavy-duty diesel engines
turbocharged, meeting Euro6 environmental requirements and equipped with systems for reducing the toxicity of exhaust gases, including diesel particulate filters (DPF). Produced on the basis of polyalphaolefins (PAO) with a technological additive package.

Viscosity classes 10W-30

Specifications and approvals
API FA-4
Detroit Diesel DDC93K223
Cummins CES 20087

TAIF INTRA LL

Indicator	Test method	TAIF INTRA LL 10W-40	15W-40
Kinematic viscosity at 100 °C, mm2/s	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/m3	ASTM D1298	869	870
Dynamic viscosity MRV, mPa·sec	ASTM D4684	19200	16845
CCS dynamic viscosity, mPa·sec	ASTM D5293	6420	5990

All-season fully synthetic engine oils with increased neutralizing power.
The new diesel engines are designed for modern heavy-duty diesel engines. Developed for modern heavy duty diesel engines
turbocharged, meeting Euro5 environmental requirements and equipped with exhaust gas emission reduction systems (SCR, EGR). Produced on the basis of polyalphaolefins (PAO) with a technological additive package.

Viscosity classes 10W-40
15W-40

Specifications and approvals
API CI-4
ACEA E4
JASO DH-1
MB 228.5.
MAN 3277
Cummins 20078
VOLVO VDS -3
Macfi EO-N
DQC-IV-10

TAIF TIRATA

Indicator	Test method	TAIF TIRATA 5W-30	5W-40	10W-40
Kinematic viscosity at 100 °C, mm2/s	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/m3	ASTM D1298	855	859	858
Dynamic viscosity MRV, mPa sec	ASTM D4684	32817	33512	17717

All-season fully synthetic motor oil based on polyalphaolefins (PAO)
with increased reserve of neutralizing properties. Developed for modern heavy duty turbocharged diesel engines meeting Euro5 environmental requirements and equipped with exhaust gas emission reduction systems (SCR, EGR).

Viscosity classes

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

Specifications and approvals

ACEA E4, E7
API CI-4
MB-Approval 228.5
MAN M 3277
Caterpillar ECF-2
MTU Cat. 3
Cummins CES 20078
VOLVO VDS-3
Renault RLD-2
Macfi EO-N
Deutz DQC-IV-10
Scania LDF-3
DAF Extended Drain

TAIF MODUS PAO CLP

Indicator	Test method	TAIF MODUS PAO CLP 32	46	68	100	150	220	320	460	680	1000
Kinematic viscosity at 100° C, mm2/s	ASTM D445	5,8	7,4	9,3	12,3	18,5	25,3	36,1	44,7	69,0	99,7
Kinematic viscosity at 40° C, mm2/s	ASTM D445	32	46	65	97	158	219	322	469	680	1000
Viscosity index	ASTM D2270	125	124	121	118	132	142	156	149	177	193
Foaming at 94 °C, ml	ASTM D892	0/0	0/0	20/0	20/0	20/0	20/0	10/0	10/0	5/0	5/0
Demulsifiability at 82 °C, min	ASTM D1401	10	10	15	20	20	20	30	45	60	60
Mechanical test on FZG A/8,3/90	ISO 14635	14	14	14	14	14	14	14	14	14	14
Micropitting on the gear FZG	ISO 14635	10	10	10	10	10	10	10	10	10	10
Flash point in open crucible, °C	ASTM D92	240	250	252	255	260	265	270	273	278	272
Solidification temperature, °C	ASTM D97	-64	-59	-58	-54	-53	-52	-47	-44	-43	-39
Density at 15 °C, kg/m3	ASTM D4052	840	842	843	846	848	849	850	851	853	854

Flagship lubricants for gearboxes and bearings based on polyalphaolefins (PAO) and a technological additive package that provides a high level of anti-seize, anti-acid, anti-corrosion, anti-foaming and demulsifying properties, as well as protection of equipment from micropitting under extreme loads.

Viscosity classes

32
46
68
100
150
220
320
460
680
1000

Specifications and approvals

DIN 51517-3 (CLP)
Flender T-7300

TAIF FOLIO PAO

Synthetic lubricants for paper machines based on polyalphaolefins (PAO) and a technological ashless additive package, providing a high level of demulsifying, antifoaming, anticorrosive and antioxidizing properties, as well as maximum protection of gears and bearings under severe operating conditions.

Indicator	Test method	TAIF FOLIO RAO	
		150	220
Kinematic viscosity at 100 °C, mm2/s	ASTM D445	17,6	25
Viscosity index	ASTM D2270	130	144
Foaming tendency at 94 °C, ml	ASTM D892	5/0	10/0
Demulsifying capacity at 82°C, min	ASTM D1401	20	30
Anti-wear properties FZG, load steps	ASTM D5182	12+	12+
Flash point in open crucible, °C	ASTM D92	265	254
Solidification temperature, °C	ASTM D97	-47	-51
Density at 15 °C, kg/m3	ASTM D4052	850	849

Viscosity classes
150
220

Specifications and approvals
DIN 51517-3 (CLP)
Voith
Metso

IND

TAIF HARMONY PAO

Flagship synthetic lubricant for air compressors based on polyalphaolefins (PAO) and ashless additive package providing high antioxidant, anti-wear and antifoaming properties. Allows for extended drain intervals.

Indicator	Test method	TAIF HARMONY PAO		
		32	46	68
Kinematic viscosity at 40 °C, mm2/s	ASTM D445	32	46	68
Kinematic viscosity at 100 °C, mm2/s	ASTM D445	5,7	7,3	9,7
Viscosity index	ASTM D2270	119	121	124
Foaming tendency at 94 °C, ml	ASTM D892	20/0	20/0	20/0
Flash point in open crucible, °C	ASTM D92	223	232	236
Solidification temperature, °C	ASTM D97	-67	-64	-56
Density at 15 °C, kg/m3	ASTM D4052	828	832	836

Viscosity classes
32
46
68

Specifications and approvals
DIN 51506-3 (VDL)
ISO 6743-3A

TAIF RAVE PAO/ RAVE PAO EP

Indicator	Test method	TAIF RAVE PAO/RAVE PAO EP		
		32	46	46ER
Kinematic viscosity at 100 ° C, mm2/s	ASTM D445	6,2	7,2	7,2
Viscosity index	ASTM D2270	129	125	125
Foaming tendency at 94 °C, ml	ASTM D892	20/0	50/0	50/0
Demulsification time, s	ASTM D2711	120	140	140
Deaeration at 50 °C, min	ASTM D3427	2	4	4
Oxidizing characteristics: test time at which the EC reaches 2.0 mg KOH/g, h	ASTM D943	>10000		
Stability against oxidation, min	ASTM D2272	>2000	>2000	>2000
Anti-wear properties FZG, load steps	ASTM D5182	10	10	12
Flash point in open crucible, °C	ASTM D92	243	252	252
Solidification temperature, °C	ASTM D97	-54	-56	-56
Density at 15 °C, kg/m3	ASTM D4052	830	850	850

Flagship turbines oils based on synthetic base components (polyalphaolefins, esters) and high-tech ash-free additive package, providing exceptional thermal oxidative stability of the lubricant, high level of anticorrosive, antifoaming and demulsifying properties.

Viscosity classes 32, 46, 46EP

Specifications and approvals

Siemens TLV 901304
Siemens TLV 901305
Solar Turbines ES 9-224
General Electric GEK 32568K
General Electric GEK 101941A Ansaldo TG02-0171-E00000/B

TAIF VARGAN

Indicator	Test method	TAIF VARGAN
		32
Kinematic viscosity at 100 °C, mm2/s	ASTM D445	7,6
Kinematic viscosity at 40 ° C, mm2/s		32,80
Kinematic viscosity at -40 ° C, mm2/s		4973
Viscosity index	ASTM D2270	212
Flash point in open crucible, °C	ASTM D92	169
Solidification temperature, °C	ASTM D97	-76
Density at 15 °C, kg/m3	ASTM D4052	808

Fully synthetic, special purpose hydraulic oil designed for systems operating at extremely low temperatures.

Viscosity classes 32

Specifications and approvals DIN 51524-3(HVLP)

TAIF STREAM NVLP RAO

Indicator	Test method	TAIF STREAM HVLP RAO 32	46
Kinematic viscosity at 100 ° c, mm2/s	ASTM D445	6,3	7,9
Kinematic viscosity at 40 ° c, mm2/s	ASTM D445	11387	13500
Viscosity index	ASTM D2270	132	140
Foaming tendency at 94 °C, ml	ASTM D892	30/0	30/0
Demulsifying capacity at 54 °C, min.	ASTM D1401	20	20
Flash point in open crucible, 0C	ASTM D92	175	187
Solidification temperature, 0C	ASTM D97	-67	-59
Density at 15 °C, kg/m3	ASTM D4052	830	837

All-season lubricants for industrial and mobile hydraulic systems
The product is based on polyalphaolefins (PAO) and a technological additive package that provides a high level of antioxidant, anti-corrosion, antifoaming properties, anti-wear properties.

Viscosity classes 32, 46

Specifications and approvals DIN 51524-3 (HVLP), ISO 11158 (HV), ASTM D6158 (HV)

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TAIF CADENZA PAO

Indicator	Test method	TAIF CADENZA PAO
Kinematic viscosity at 50 °C, mm2/s	ASTM D445	4,69
Kinematic viscosity at 40 °C, mm2/s		5,97
Kinematic viscosity at -40 °C, mm2/s		278,97
Tangent of dielectric loss angle at 90 °C	IEC 60247	0,0016
Breakdown voltage, kV	IEC 60156	69
Flash point in open crucible, °C	ASTM D92	152
Solidification temperature, °C	ASTM D97	-75
Acid number, mg KOH/g	ASTM D974	0,005
Content of polycyclic aromatic compounds (PCA), % wt %.	IP346	Absence
Density at 15 °C, kg/m3	ASTM D4052	820

Electrical insulating lubricant with high performance characteristics, designed for use in oil-filled transformer equipment. Produced from synthetic base oils
Group IV TAIF PAO (poly alphaolefins) and contains 0.25-0.40 wt% of oxidation inhibitor.

Specifications and approvals IEC 60296 (MEC 60296)

LLC RUMAGROUPS

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