



Technical Data Sheet № 1513H dd. 2 March 2023.



Name of product: **Isoparaffin Base Oil TATNEFT VHVI-4 (Taneco base 4), Specification 38.401-58-415-2014**

Manufacturer, manufacturing address: "TANEKO" INC., 423570, RU, Republic of Tatarstan, Nizhnekamsk, Industrial Zone, tel. (8555) 49-02-02, fax (8555) 49-02-03, e-mail: referent@taneco.ru

Name of testing laboratory, address: Petrochemical testing Laboratory "TANEKO" INC, 423570, RU, Republic of Tatarstan, Nizhnekamsk, Industrial Zone

Technical regulation: Technical regulation of the Customs Union TR TS 030/2012 "On the requirements for lubricants, oils and special fluids"

Product regulatory document: Isoparaffin Base Oil TATNEFT VHVI-4 (Taneco base 4), Specification 38.401-58-415-2014

Sampling Method: GOST 2517-2012

Declaration: EAЭC N RU Д-РУ.РА01.В.74928/23, valid from 10.02.2023 till 09.02.2026.

This product has been manufactured in an integrated management system facility certified to ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

Batch NO: 61

Manufacturing Date: 2 March 2023
Date and time of Sample: 02.03.2023 1:00:00
Date of test: 2 March 2023.
Quantity, t: 350.000
Volume, m³: 420,168
Inlet level, cm: 973,9
Temp., °C: 55,6
Density at 20 °C, kg/dm³: 0,8300

Sample palce: T0004 Title 051

№	Item	Unit	Technical regulation rate	Regulatory document rate	Test results	Test method
1	Kinematic viscosity @100°C	mm ² /c / mm ² /sec	-	3,9-4,6	4,4	ASTM D 445
2	Viscosity index	-	-	min 125	127	GOST 25371
3	Open Cup Flash Point	°C	min 135	min 210	222	ASTM D 92
4	Pour point	°C	-	<= minus 15	21 below zero	GOST 20287
5	Color on colorimeter Dark Petroleum Product Color Units	Color number	-	max 1,0	< 0,5	GOST 20284
6	Sulphur weight content	mg/kg	-	max 10	< 3	ASTM D 2622
7	Water content	% mass.	traces	absent	absent	GOST 2477
8	Mechanical impurities content	% macc. / % mass.	max 0,03	absent	absent	GOST 6370
9	Noak evaporation rate	% mass.	-	max 15	13,7	ASTM D 5800 Procedure B
10	Density @15°C	kg/m ³	-	not rated, to be determined	833	GOST R 51069
11	Appearance	-	-	Clear transparent liquid without sediments. From colorless up to light yellow	clear transparent liquid without sediments, colorless	visual
12	Selective solvents content	%	max 0,3	max 0,3	absent	GOST 1520

Conclusion

The quality of the product meets the requirements:

- Technical Regulations of the Customs Union TR TS 030/2012 "On the requirements for lubricants materials, oils and special liquids";
- TU 38.401-58-415-2014 with change No. 1.

Additional Information:

Isoparaffin Base Oil TATNEFT VHVI-4 (TANECO base 4) is intended for commercial oil production, such as multi-grade motor oil, lubricant for industrial equipment, power machinery oil and etc. Parameters follow correspondence №1186/13-13 of 20.03.2015, №1188/13-13 of 20.03.2015, №1765/13-11 of 10.08.2016, № 5858-POrg(003) of 25.12.2018:

1. Distillation, ASTM D 86, %:
 - @ 250 °C, %: 0,5
 - @ 300 °C, %: 1,1
 - @ 350 °C, %: 3,9
2. Flow point, ISO 3016, °C: 18 below zero
3. Kinematic viscosity @ 50 °C, ISO 3104, mm²/sec: 15,15
4. Color, ASTM D 1500, ASTM unit: < 0,5
5. Moisture content, ASTM D 6304, mg/kg: 38,2
6. Flash point closed cup, ASTM D 93, °C: 208
7. Parameter "saturated (paraffin-naphthene) hydrocarbons content" is not specified according to the amendment to Specification 38.401-58-415-2014. Norms Compliance is guaranteed by the process. Manufacturer guarantees product quality conformity with the requirements of the specified standard within 1 year from the manufacturing date if the user follows the conditions of transportation and storage according to GOST 1510-84.
8. Pursuant to sub-paragraph 11 of para. 1 of Clause 181 of the Tax Code of the Russian Federation, Isoparaffin Base Oil TATNEFT VHVI-4 (TANECO base 4) was manufactured by means of dewaxing and hydroisodewaxing processes.

Guaranteed storage life:

1 year from the manufacturing date

Chemical Engineer at Oil Products Testing Laboratory:



Paulkina S.S..

CoA Printed by:



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