

CERTIFICATE OF ANALYSIS № 705

Motor oil M-10G2K

GOST 8581-78 zm.1-10

Batch № 705

Manufacturing date: 26.09.24 Batch net weight: 12 t

Product Characteristics

№	Characteristics and units	Standard limits	Actual	Test method
1	Kinematic viscosity at 100°C, cSt, in range	10,5-11,5	10,65	DSTU GOST 33
2	Viscosity Index, not lower than	85	132	DSTU GOST 25371
3	Total base number, mg KOH per 1 g, not lower than	6	6,42	GOST 11362
4	Sulfated ash, %, not lower than	1,15	0,9	GOST 12417
5	Flash point (COC), °C, not lower than	220	222	DSTU GOST 4333
6	Pour point, °C, not more than	-18	-25	GOST 20287 method B
7	Density at 20 °C, kg/m3, not more than	900	874	GOST 3900
8	Mechanical impurities content, %, not more than	0,015	0,011	GOST 6370
9	Water content, %, not more than	0,03	nil	GOST 2477
10	Calcium weight, %, not lower than	0,19	0,245	GOST 13538
11	Zinc weight, %, not lower than	0,05	0,054	GOST 13538
12	Phosphorus weight, %, not lower than	0,05	0,05	GOST 9827
13	Purity mg per 100 g of oil, not more than	500	380	GOST 12275
14	The power to establish PZV, point, not more than	0,5	0,5	GOST 5726
11	Colour on colorimeter (15:85), not more than	3,0	1,5	GOST 20284
12	Corrosion on plumbum plates (DK-NAMI), g/m2, not more than	nil	nil	GOST 20502
13	Stabilization by inductive period of sedimentation (IPS), 50 hours	Pass	Pass	GOST 11063

Manufactured by KSM PROTEC LLC, Ukraine

Conclusion: Motor oil M-10G2K sample satisfies the requirement of GOST 8581-78 zm.1-10 standard based on characteristics analyzed.

Shelf life - 5 years from date of manufacture.

Laboratory technicia _____

Laboratory head _____

Date of issue: 27.09.24



CERTIFICATE OF ANALYSIS № 292

Oil PROTEC IG-40

TU U 19.2-37838186-005:2012 zm.1,2



Batch № 292

Manufacturing date: 24.04.23

Batch net weight: 9 t

Product Characteristics

№	Characteristics and units	Standard limits	Actual	Test method
1	Kinematic viscosity at 40°C, cSt, in range	51-75	64,76	DSTU GOST 33 or ASTM D445
2	Total acid number, mg KOH per 1 g, not more than	0,07	0,010	GOST 11362 and P.7.6
3	Flash point, °C, not lower than	200	236	DSTU GOST 4333 or ASTM D92
4	Pour point, °C, not more than	-10	-12	GOST 20287 method B or ASTM D97
5	Mechanical impurities content, %, not more than	0,015	nil	GOST 6370 or ASTM D2273
6	Water content, %, not more than	0,03	0,03	GOST 2477 or ASTM D95
7	Density at 20 °C, kg/m3, not more than	910	865	GOST 3900 or ASTM D1298
8	Oxidation stability: acid number, mg KOH/r, not more than	0,4	0,29	DSTU GOST 18136 (GOST 18136)
9	Oxidation stability: increase in resins, %, not more than	3	1,15	DSTU GOST 18136 (GOST 18136)
10	Sulfur weight, %, not more than	1,3	0,26	GOST 1437 or ASTM D4927
11	Colour on colorimeter, not more than	4,0	2,5	GOST 20284 or ASTM D1500

Manufactured by KSM PROTEC LLC, Ukraine

Conclusion: Oil PROTEC IG-40 sample satisfies the requirement of TU U 19.2-37838186-005:2012 zm.1,2 standard based on characteristics analyzed.

Shelf life - 5 years from date of manufacture.



Laboratory technician

Laboratory head

Date of issue: 26.04.23

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CERTIFICATE OF ANALYSIS № 216
Transmission oil TEMOL Luxe Gear 85W-140
 TU U 23.2-30858281-003:2004 zm.1,2,3



Batch № 216

Manufacturing date: 28.02.20 Batch net weight: 1,1 t API GL-5

Product Characteristics

№	Characteristics and units	Standard limits	Actual	Test method
1	Kinematic viscosity at 100oC, cSt, in range	24,0 - 32,5	30,94	DSTU GOST 33 or ASTM D445
2	Viscosity Index, not lower than	90	115	DSTU GOST 25371 or ASTM D2270
3	Flash point (COC), °C, not lower than	215	245	DSTU GOST 4333 or ASTM D92
4	Pour point, °C, not more than	-15	-25	GOST 20287, method B or ASTM D97
5	Density at 20 °C, kg/m3, not more than	910	895	GOST 3900 or ASTM D1298
6	Mechanical impurities content, %, not more than	nil	nil	GOST 6370 or ASTM D2273
7	Water content, %, not more than	nil	nil	GOST 2477 or ASTM D95
8	Colour on colorimeter CNT, not more than	6,0	4,5	GOST 20284 or ASTM D1500
9	Corrosion test during 3 hr at 120°C on copper plates, point, not more than	2c	1c	GOST 2917 and p.7.4 or ASTM D130
10	Sequence I, not more than	100/0	10/0	DSTU 8420 or ASTM D 892
11	Sequence II, not more than	50/0	30/0	DSTU 8420 or ASTM D 892
12	Sequence III, not more than	50/0	10/0	DSTU 8420 or ASTM D 892
13	Four ball EP test machine (20±5°C): scuff index, N, not less than	490	568	GOST 9490 or ASTM D 2783
14	Four ball EP test machine (20±5°C): welding load, N, not less than	3 283	3 685	GOST 9490 or ASTM D 2783
15	Cold Cranking Simulatorat viscosity at -18oC, P*s, not more than	150	125	GOST 1929 method A

Manufactured by KSM PROTEC LLC, Ukraine

Conclusion: Transmission oil TEMOL Luxe Gear 85W-140 sample satisfies the requirement of TU U 23.2-30858281-003:2004 zm.1,2,3 standard based on characteristics analyzed.

Shelf life - 5 years from date of manufacture.




CERTIFICATE OF ANALYSIS № 625

Transmission oil TEMOL ATF II

TU U 23.2-30858281-003:2004 zm. 1,2,3

Batch № 625

DEXRON IID

Manufacturing date: 02.09.24 Batch net weight: 2,7 t

Product Characteristics

№	Characteristics and units	Standard limits	Actual	Test method
1	Appearance	Transparent red oil	Transparent red oil liquid	Visually
2	Kinematic viscosity at 100°C, cSt, in range	6,8-7,8	7,12	DSTU GOST 33 or ASTM D445
3	Viscosity Index, not lower than	130	173	DSTU GOST 25371 or ASTM D2270
4	Flash point (COC), °C, not lower than	175	207	DSTU GOST 4333 or ASTM D92
5	Pour point, °C, not more than	-40	-46	GOST 20287, method B or ASTM D97
6	Mechanical impurities content, %, not more than	nil	nil	GOST 6370 or ASTM D2273
7	Water content, %, not more than	nil	nil	GOST 2477 or ASTM D95
8	Density at 20 °C, kg/m ³ , not more than	880	846	GOST 3900 or ASTM D1298
9	Corrosion test during 3 hr at 100°C on steel and copper plates, point, not more than	2c	2a	GOST 2917 and p. 5.3 or ASTM D130
10	Dynamic viscosity (-40 oC), Pa*s, not more than	14	5,6	GOST 1929 method A
11	Sequence I, not more than	70/0	0/0	ASTM D892 or DSTU 8420
12	Sequence II, not more than	50/0	0/0	ASTM D892 or DSTU 8420
13	Sequence III, not more than	70/0	0/0	ASTM D892 or DSTU 8420

Manufactured by KSM PROTEC LLC, Ukraine

Conclusion: Transmission oil TEMOL ATF II sample satisfies the requirements of TU U 23.2-30858281-003:2004 zm. 1,2,3 standard based on characteristics analyzed.

Shelf life - 5 years from date of manufacture.

Laboratory technician

Laboratory head

Date of issue: 03.09.24



CERTIFICATE OF ANALYSIS № 577

Transmission oil TAD-17i

GOST 23652-79, zm. 1-8



**BUREAU
VERITAS**
ISO 9001:2015

Batch № 577

Manufacturing date: 19.10.22

Batch net weight: 15 t

Product Characteristics

№	Characteristics and units	Standard limits	Actual	Test method
1	Kinematic viscosity at 40°C, cSt, not lower than	17,5	20,1	DSTU GOST 33
2	Viscosity Index, not lower than	100	118	DSTU GOST 25371
3	Total acid number, mg KOH per 1 g, not more than	2,0	1,38	GOST 11362 and P.5.9
4	Flash point, °C, not lower than	200	248	DSTU GOST 4333
5	Pour point, °C, not more than	-25	-27	GOST 20287 method B
6	Ash content, %, not more than	0,3	0,24	GOST 1461
7	Mechanical impurities content, %, not more than	nil	nil	GOST 6370
8	Water content, %, not more than	0,03	nil	GOST 2477
9	Density at 20 °C, kg/m ³ , not more than	907	885	GOST 3900
10	Corrosion test during 3 hr at 100°C on steel and copper plates, point, not more than	2c	2b	GOST 2917
11	Colour on colorimeter, not more than	5,0	1,5	GOST 20284
12	Sequence I, not more than	200/0	0/0	GOST 23652 p.5.5
13	Sequence II, not more than	100/0	10/0	GOST 23652 p.5.5
14	Sequence III, not more than	200/0	0/0	GOST 23652 p.5.5
15	Four ball EP test machine (20±5°C): scuff index, N, not less than	568,4 (58)	588 (60)	GOST 9490
16	Four ball EP test machine (20±5°C): welding load, N, not less than	3687 (376)	3687 (376)	GOST 9490
17	Four ball Wear test machine (20±5°C), 392N, scar mm, not more than	0,40	0,39	GOST 9490
18	Sulfur content, %, not more than	2,5	1,30	GOST 1431

Manufactured by KSM PROTEC LLC, Ukraine

Conclusion: Transmission oil TAD-17i sample satisfies the requirement of GOST 23652, zm. 1-8 standard based on characteristics analyzed.

Shelf life - 5 years from date of manufacture.

Laboratory technician

Laboratory head

Date of issue: 21.10.22



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CERTIFICATE OF ANALYSIS № 524

Transmission oil TAP-15V

GOST 23652-79, zm. 1-8



**BUREAU
VERITAS**
ISO 9001:2015

Batch № 524

Manufacturing date: 27.09.22

Batch net weight: 15 t

Product Characteristics

№	Characteristics and units	Standard limits	Actual	Test method
1	Kinematic viscosity at 40°C, cSt, in range	14-16	14,97	DSTU GOST 33
2	Viscosity Index, not lower than	85	138	DSTU GOST 25371
4	Flash point, °C, not lower than	185	225	DSTU GOST 4333
5	Pour point, °C, not more than	-20	-27	GOST 20287 method B
6	Ash content, %, not more than	0,3	0,24	GOST 1461
7	Mechanical impurities content, %, not more than	nil	nil	GOST 6370
8	Water content, %, not more than	0,03	nil	GOST 2477
9	Density at 20 °C, kg/m3, not more than	930	880	GOST 3900
10	Corrosion test during 3 hr at 100°C on steel and copper plates, point, not more than	2c	2b	GOST 2917
11	Colour on colorimeter, not more than	6,0	3,5	GOST 20284
12	Sequence I, not more than	300/0	0/0	GOST 23652 p.5.5
13	Sequence II, not more than	50/0	15/0	GOST 23652 p.5.5
14	Sequence III, not more than	300/0	0/0	GOST 23652 p.5.5
15	Four ball EP test machine (20±5°C): scuff index, N, not less than	490	499	GOST 9490
16	Four ball EP test machine (20±5°C): welding load, N, not less than	3 283	3 283	GOST 9490

Manufactured by KSM PROTEC LLC, Ukraine

Conclusion: Transmission oil TAP-15V sample satisfies the requirement of GOST 23652, zm. 1-8 standard based on characteristics analyzed.

Shelf life - 5 years from date of manufacture.



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CERTIFICATE OF ANALYSIS № 297

Oil TEMOL Scooter 2T

TU U 23.2-30858281-007:2008 zm.1,2,3,4



Batch № 297

SAE 20

Manufacturing date: 26.04.23

Batch net weight: 3,0 l

API TC

Product Characteristics

№	Characteristics and units	Standard limits	Actual	Test method
1	Kinematic viscosity at 100°C, cSt, in range	6-12	10,56	DSTU GOST 33 or ASTM D445
2	Total base number, mg KOH per 1 g, not lower than	1,0	1,66	DSTU 5094 or SATM D2896 or ISO 3771
3	Sulfated ash, %, not more than	0,4	0,19	DSTU GOST 12417 or ASTM
4	Flash point (COC), °C, not lower than	205	240	DSTU GOST 4333 or ASTM D92
5	Pour point, °C, not more than	-15	-16	GOST 20287 method B or ASTM D97
6	Mechanical impurities content, %, not more than	0,015	nil	GOST 6370 or ASTM D2273
7	Water content, %, not more than	nil	nil	GOST 2477 or ASTM D95
8	Density at 20 °C, kg/m3, not more than	900	871	GOST 3900 or ASTM D1298
9	Corrosion test	Pass	Pass	GOST 2917 and P.6.12 or ASTM D130

Manufactured by KSM PROTEC LLC, Ukraine

Conclusion: Oil TEMOL Scooter 2T sample satisfies the requirement of TU U 23.2-30858281-007:2008 zm.1,2,3,4 standard based on characteristics analyzed.

Shelf life - 5 years from date of manufacture



Laboratory technician

Laboratory head

Date of issue: 17.04.23

CERTIFICATE OF ANALYSIS № 366

Solidol Zhirovoi Lubricating Grease

GOST 1033-79 zm. 1,2,3

Batch № 366

Manufacturing date: 11.10.24

Batch net weight: 2,119 t

Product Characteristics

№	Characteristics and units	Standard limits	Actual	Test method
1	Appearance	Uniform grease with color between light-yellow and dark-brown	Uniform grease with light-brown color*	P.4.2 of GOST 1033
2	Dropping point, °C, not lower than	78	98	GOST 6793
3	Penetration at 25°C, 0,1 mm	230 - 290	250	GOST 5346, method V
4	Viscosity at 0°C and velocity gradient of 10 s ⁻¹ , Pa*s, not more than	250 (2500)	235 (2350)	GOST 7163
5	Shear stability at 50°C, Pa, not lower than	196 (2,0)	260 (2,65)	GOST 7143
6	Free organic acids content, not more than	nil	nil	GOST 6707
7	Water content, %, not more than	2,5	1,4	GOST 2477
8	Mechanical impurities insoluble in hydrochloric acid content	nil	nil	GOST 6479
9	Calcium soaps of fatty acids conter, %, not less than	11,0	13,1	GOST 5211
10	Free alkali content NaOH, %, not more than	0,2	0,12	GOST 6707

* As agreed by the parties

Manufactured by KSM PROTEC LLC

Conclusion: **Solidol Zhirovoi** lubricating grease sample satisfies the requirement of GOST 1033-79 zm. 1,2,3 standard based on characteristics analyzed.

Laboratory technician

Laboratory head

Date of issue: 14.10.24



CERTIFICATE OF ANALYSIS № 57 PROTEC Litol-24 M Lubricating Grease

TU U 19.2-37838186-010:2012 zm.1

Batch № 57

Manufacturing date: 29.02.24

Batch net weight: 2,694 t

Product Characteristics

№	Characteristics and units	Standard limits	Actual	Test method
1	Appearance	Uniform grease with color between light-yellow and brown	Uniform grease with yellow color*	GSTU 38.001
2	Dropping point, °C, not lower than	145	154	GOST 6793
3	Penetration at 25°C, 0,1 mm, in range	220 - 280	280	GOST 5346, method V
4	Viscosity at -20°C and velocity gradient of 10 s ⁻¹ , Pa*s (P), not more than	1000	650	GOST 7163
5	Shear stability at 50°C, Pa (gs/cm ²), not lower than	120	191	GOST 7143, method B
6	Colloid stability, %, of separated oil, not more than	16,0	6,4	GOST 7142, method A
7	Metal corrosion	Pass	Pass	GOST 9.080 and P. 7.4
8	Vaporability at 100 °C, %, not more than	6,0	4,0	GOST 9566
9	Free alkali content NaOH, %, not more than	0,2	0,03	GOST 6707 P.7.3
10	Water content	nil	nil	GOST 2477 and P. 7.4
11	Mechanical impurities content, %, not more than	0,05	nil	GOST 6479 and P. 7.5
12	Four ball EP test machine (20±5°C): scuff index, N (kgs), not less than	270	330	GOST 9490
13	Four ball EP test machine (20±5°C): welding load, N (kgs), not less than	1 230	1 600	GOST 9490
14	Four ball EP test machine (20±5°C): critical load, N (kgs), not less than	610	735	GOST 9490
15	Elastomer of grade 26-44, %: volume change	-8+12	-1,8	GOST 9.030

*As agreed by the parties

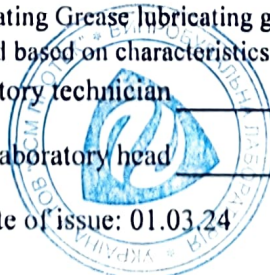
Manufactured by KSM PROTEC LLC

Conclusion: PROTEC Litol-24 M Lubricating Grease lubricating grease sample satisfies the requirement of TU U 19.2-37838186-010:2012 zm.1 standard based on characteristics analyzed.

Laboratory technician

/Laboratory head

Date of issue: 01.03.24





CERTIFICATE OF ANALYSIS № 429

Transmission Oil PROTEC Nigrol L

TU U 19.2-37838186-003:2012 zm.1



Batch № 429

Manufacturing date: 08.06.23

Batch net weight: 7 t

Product Characteristics

№	Characteristics and units	Standard limits	Actual	Test method
1	Kinematic viscosity at 100°C, cSt, in range	27,0 - 34,0	28,81	DSTU GOST 33 or ASTM D445
2	Flash point, °C, not lower than	180	219	DSTU GOST 4333 or ASTM D92
3	Pour point, °C, not more than	-5	-16	GOST 20287 method B or ASTM D97
4	Water content, %, not more than	1,0	0,8	GOST 2477 or ASTM D95
5	Density at 20 °C, kg/m3, not more than	970	863	GOST 3900 or ASTM D1298
6	Corrosion test during 3 hr at 100°C on steel and copper plates	pass	pass	GOST 2917 and p.7.4 or ASTM D130
7*	Rubber compatibility (volume change) for UIM-1, %, in range	+1,0 - +6,0	+4,0	GOST 9.030 and p.7.5

Manufactured by KSM PROTEC LLC

Conclusion: transmission oil PROTEC Nigrol L sample satisfies the requirement of TU U 19.2-37838186-003:2012 zm.1 standard based on characteristics analysis.



Date of issue: 12.06.23

CERTIFICATE OF ANALYSIS № 15

TEMOL Antifreeze Luxe G12 Red

TU U 20.5-30858281-009:2016 zm 1,2

Batch № 15

Manufacturing date: 01.04.25 Batch net weight: 7,82 t

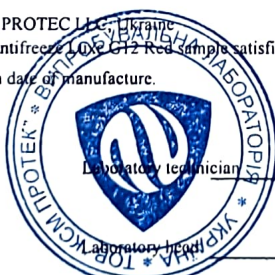
Product Characteristics

№	Characteristics and units	Standard limits	Actual	Test method
1	Appearance	Homogeneous transparent liquid without mechanical impurities. Color should match the color of the sample-standard	Homogeneous transparent liquid without mechanical impurities red color	p.7.4
2	Density at 20 °C, kg/m3, not lower than	1,065	1,071	DSTU 7261
3	The temperature of the onset of crystallization, °C, not higher	-38	-41	p.7.5
4	Boiling Point, °C, not less	104	106	p.7.13
5	Corrosive effect on metals, g / m2 per day, no more: - copper, brass, steel, cast iron, aluminum; - solder	0,15 0,3	0,088 0,095	p.7.7
6	Foaming, no more - the volume of foam, sm³ - foam stability, s	150 5	40 3	p.7.8 or ASTM D 1881
7	Swelling rubber,%, not more	5	3	p.7.9
8	pH at 20 °C	7,5-11,0	8,88	DSTU 2201.1 or p.7.10 or ASTM D 1287
9	Alkalinity, cm3, not less	1,5	2,81	p.7.11

Manufactured by KSM PROTEC LLC, Ukraine

Conclusion: TEMOL Antifreeze Luxe G12 Red sample satisfies the requirement of TU U 20.5-30858281-009:2016 zm 1,2

Shelf life - 5 years from date of manufacture.



Laboratory technician

Laboratory head

Date of issue: 02.04.25



CERTIFICATE OF ANALYSIS № 23

Antifreeze TEMOL Tosol A-40

TU U 20.5-30858281-009:2016 zm.1



Batch № 23

Manufacturing date: 26.04.23 Batch net weight: 2,15 т

Product Characteristics

№	Characteristics and units	Standard limits	Actual	Test method
1	Appearance	Uniform transparent liquid without mechanical impurities. Color must refer to sample's color	Uniform transparent liquid without mechanical impurities with blue color	p.8.4
2	Density at 20 °C, kg/m ³ , not lower than	1,065	1,073	DSTU 7261
3	Temperature of crystallization start, °C, not more than	-38	-39	p.8.5
4	Fractional content: temperature of distillation start, °C, not lower than	100	105	p.8.6
5	Fractional content: mass fraction of liquid, that distills before 150 °C, %, not more than	55	46	p.8.6
6	Corrosive affect on metals, g/m ² *day, not more: copper, brass, steel, cast iron, aluminum	0,30	0,092	p.8.7
7	Corrosive affect on metals, g/m ² *day, not more: solder	0,50	0,106	p.8.7
8	Foam formation: foam's volume, cm ³ , not more than	50	40	p.8.8 or ASTM D1881
9	Foam formation: foam's stability, sec, not more than	5	2	p.8.8 or ASTM D1881
10	Rubber's volume increase, %, not more than	5	1,5	p.8.9
11	pH value at 20°C, in range	7,5 - 11	9,18	p.8.10 or ASTM D1287
12	Alkalinity, cm ³ , not lower	2,0	19,14	p.8.11 or ASTM D1121

Manufactured by KSM PROTEC LLC, Ukraine

Conclusion: Antifreeze TEMOL Tosol A-40 sample satisfies the requirement of TU U 20.5-30858281-009:2016 zm.1 standard based on characteristics analyzed.



Ref
STB

MOGUL OIL®
Super Traffic 10W40
CI-4/SL;
ULEI PENTRU MOTOARE DIESEL SURAALEMENTATE

Descriere:

MOGUL OIL® Super Traffic 10W40 este fabricat din uleiuri de baza minerale și sintetice de foarte bună calitate și un pachet de aditivi moderni cu continut de inhibitori de coroziune, aditivi detergent-dispersanți.

Utilizare:

MOGUL OIL® Super Traffic 10W40 este destinat folosirii in motoarele diesel turbo-supraalimentate care functioneaza in conditii severe, cu intervale prelungite intre schimburile de ulei, in conformitate cu recomandarile producatorului. Este adecvat pentru majoritatea motoarelor moderne echipate cu sisteme de poluare EGR (recircularea gazelor de evacuare) si SCR NO_x (sisteme de reducere catalitica selectiva a noxelor). Este recomandat pentru motoarele diesel de clasa superioara, care respecta normele de emisii Euro-3, 4, 5.

Clasificare, specificații:

ACEA E7/B4/A3 ACEA E5/E3 API CI-4/CH-4; VOLVO VDS-3; MAN M3275-1; MB 228.3; Scania LDF-2; Renault Truck RLD-2; Cummins CES 20076/77/78; MTU Type 2; MACK EO-N; DEUTZ DQC III-10; GLOBAL DHD-1; JASO DH-1.

Proprietăți caracteristice:

- protecție maximă a motorului împotriva uzurii, coroziunii și formării depunerilor la temperaturi ridicate;
- pornire ușoară la temperaturi joase;
- curățenia pistonului;
- economie de carburant.

Caracteristici:

Parametri	Unitatea de masura	Valori tipice	Metoda de analiza
Densitate la 15 °C	g/m ³	0.875	EN ISO 3675
Viscozitate cinematica la 100°C	cSt	15	SR EN ISO 3104
Indice de viscozitate		155	ISO 2909
Punct de inflamabilitate COC	°C	225	SR EN ISO 2592
Punct de curgere	°C	-35	ISO3016

Ambalare: 20L, 200L și 1000L.

Termen de garanție: 5 ani în depozitare.



LUBRO DOT 4

NR 16 / 07.06.2021

Lichid pentru frana si ambreiaj DOT 4

Specificatii

- ATE DOT 4
- FMVSS 116
- ISO 4925 Class 4
- SAE J 1703/ 1704

Descrierea produsului

LUBRO DOT 4 este un lichid de inalta performanta special dezvoltat pentru frane si ambreiaje. Acesta contine polietilenglicol ester, aditivi pentru a asigura protectie impotriva coroziunii si oxidarii si stabilizatori. Acest lichid de frana nu este compatibil cu lichidele de frana pe baza de uleiuri minerale.

Aplicatii

LUBRO DOT 4 este destinat utilizarii in sistemele de franare hidraulice si ambreiajele tuturor tipurilor de autovehicule de la autoturisme la camioane, autobuze si trailere, in conformitate cu instructiunile din cartile tehnice. Este compatibil si special destinat sistemelor de franare echipate cu sigilii si garnituri din cauciuc SBR (cauciuc butadien stiren) sau EPDM (cauciuc etilen propilen dien monomer).

Caracteristici tipice

Informatiile furnizate in datele tipice nu constituie o specificatie, dar aceste valori se bazeaza pe productia curenta si pot fi afectate de tolerantele admisibile de productie. Dreptul de a face modificari este rezervat ANDY MAR GRUP JUNIOR SRL

Proprietate	Metode de incercare	Valoare
Aspect	vizual	Lichid limpede, omogen
Culoare	vizual	Galben deschis
Miros	olfactiv	Caracteristic
Densitate la 20°C, g/cm ³	EN ISO 3675	1.066
Viscozitate cinematica la 20°C, mm ² /s		15.95
Viscozitate cinematica la 50°C, mm ² /s	EN ISO 3104	6.05
Viscozitate cinematica la 100°C, mm ² /s		2.2
Punct de fierbere, °C	EN ISO 3104	260
Punct de inflamabilitate, COC, °C	EN ISO 2592	144
pH	ASTM E 70	8.2
Stabilitate la temperaturi ridicate, °C	ISO 4925, s.5.4	max ± 3 , + 0.05 °C pentru fiecare grad peste 225 °C

Termen de valabilitate

Termenul de valabilitate, la stocare, in ambalajul original, in locuri uscate, este de 5 ani de la data fabricatiei.

Sanatate, Securitate, Transport si Depozitare

Lichidele de frana sunt foarte higroscopice si absorb usor umezeala din aer. Apa afecteaza puternic punctul de fierbere si calitatea lichidelor de frana. Pe baza informatiilor actuale disponibile, acest produs nu este de asteptat sa produca efecte adverse asupra sanatatii atunci cand este utilizat in scopul pentru care a fost recomandat. Va rugam sa urmati cu strictete recomandarile privind conditiile de depozitare din fisa cu date de securitate.