

Standard	Description	Issue	ISP ID	Applied from
ASTM D 130	Copper strip test	2019, 01.05.2019	L 4010	30/07/2019
ASTM D 1500	Color of petroleum products	2024, 01.03.2024	L 235	10/05/2024
ASTM D 2240	Durometer hardness	2015, 01.08.2015	L 432	29/04/2016
ASTM D 2270	Viscosity Index	2024, 01.05.2024	L 020	13/08/2024
ASTM D 2887	GC - Fuel content, sim. distillation	2024, 01.10.2024	L 150	13/02/2025
ASTM D 2896	TBN (DIN ISO - Titrant: HClO4)	2021, 01.11.2021	L 030	20/01/2022
ASTM D 2983	Brookfield (dyn. viscosity)	2023, 01.11.2023	L 310	19/03/2024
ASTM D 4052	Density at 15 °C (DMA)	2022, 01.05.2022	L 091	17/11/2022
ASTM D 412	Tension test	2016, 01.11.2016	L 431	05/01/2018
ASTM D 445	Kin. Viscosity at 100 °C (Ubbelohde)	2024, 01.04.2024	L 011	28/06/2024
ASTM D 445	Kin. Viscosity at 40 °C (Ubbelohde)	2024, 01.04.2024	L 010	28/06/2024
ASTM D 445	Kin. Viscosity at x °C (Ubbelohde)	2024, 01.04.2024	L 014	28/06/2024
ASTM D 446	Kin. Viscosity at 40 °C (Ubbelohde)	2024, 01.11.2024	L 010	09/01/2025
ASTM D 446	Kin. Viscosity at 100 °C (Ubbelohde)	2024, 01.11.2024	L 011	09/01/2025
ASTM D 446	Kin. Viscosity at x °C (Ubbelohde)	2024, 01.11.2024	L 014	09/01/2025
ASTM D 4530	Carbon residue – Micro Conradson	2025, 01.05.2025	L 810	20/06/2025
ASTM D 4629	Nitrogen determination (liquid hydrocarbons)	2024, 01.10.2024	L 724	08/11/2024
ASTM D 4683	TBS (dyn. viscosity)	2025, 01.05.2025	L 291	08/10/2025
ASTM D 4684	MRV - Yield stress and apparent viscosity	2020a, 01.11.2020	L 350	07/01/2021
ASTM D 4739	TBN (ASTM - Titrant: HCl)	2023, 01.07.2023	L 031	27/10/2023
ASTM D 4951	ICP	2014, 01.10.2014	L 377	02/01/2015
ASTM D 5133	Viscosity/ Temperature dependence Scanning Brookfield	2020a, 01.06.2020	L 311	17/08/2023
ASTM D 5185	ICP	2018, 01.04.2018	L 377	29/05/2018
ASTM D 5293	CCS (dyn. viscosity)	2020, 01.06.2020	L 280	06/08/2020
ASTM D 5762	Nitrogen determination (petroleum and petroleum products)	2024, 02.09.2024	L 725	06/09/2024
ASTM D 5800	Noack (evaporation loss)	2021, 01.10.2021	L 300	22/12/2021
ASTM D 6082	High temperature foaming characteristics (Seq. IV)	2023, 01.07.2023	L 251	27/10/2023
ASTM D 6594	HTCBT	2020, 01.05.2020	L 3750	06/07/2020
ASTM D 664	TAN	2024, 01.05.2024	L 032	09/10/2024
ASTM D 665	Steel corrosion	2025, 01.07.2025	L 4130	07/10/2025
ASTM D 7042	Viscosity (Stabinger)	2025, 01.05.2025	L 015	30/07/2025
ASTM D 7097	TEOST MHT-4 (deposits)	2019, 01.12.2019	L 453	11/02/2020
ASTM D 7109	Bosch pump (30, 90 or 250 cycles)	2025, 01.07.2025	L 180	07/10/2025
ASTM D 7111	ICP - Trace elements in middle distilled fuels	2016, 01.12.2016	L 378	01/02/2017
ASTM D 7214	IR - PAI	2023, 01.03.2023	L 080	04/09/2023
ASTM D 7216	GF-5 Elastomer compatibility test	2023, 01.10.2023	L 484	29/08/2024
ASTM D 7216	CJ-4 Elastomer compatibility test	2023, 01.10.2023	L 485	29/08/2024
ASTM D 7216	GF-7 Elastomer compatibility test	2023, 01.10.2023	L 447	29/08/2024
ASTM D 7946	i-pH value	2019, 01.12.2019	L 038	27/02/2020
ASTM D 874	Sulphated ash	2023, 01.03.2023	L 110	01/06/2023
ASTM D 892	Foaming characteristics Seq. I – III	2025, 01.01.2025	L 250	24/04/2025
ASTM D 92	Flash point (COC)	2018, 01.07.2018	L 120	10/10/2018
ASTM D 942	Oxidation stability (greases)	2023a, 01.12.2023	L 540	07/02/2024
ASTM D 97	Pourpoint	2017b, 01.12.2017	L 210	18/04/2018
CEC F-110-23	PSA DW10C - IDID	Issue 4 - 07.10.2025	G0460	
CEC F-98-08	PSA DW10B	Issue 12.1 - 03.04.2025	G0203	
CEC L-07-95	FZG - A 8.3/90 FZG - A 16.6/140	02.09.2014	L 1000	08/09/2014
CEC L-101-09	MB OM501 LA	Issue 8.3 - 21.02.2019	G0140	
CEC L-104-16	OM646 Bio	Issue 8 - 23.04.2023	G0514	19/06/2023
CEC L-105-12	CEC-L-105-Oxidation test	Issue No. 3.5, 18.11.2021	L 3630	02/12/2021
CEC L-106-14	PSA DV6C	Issue 1.9 - 20.10.2023	G0347	02/11/2023
CEC L-107-19	M271Evo	Issue 07 - 28.01.2025	T0546	30/01/2025
CEC L-109-14	CEC-L-109-Oxidation test, with B100	Issue 9, 24.01.2023	L 3650	24/02/2023
CEC L-111-16	PSA EP6CDT	Issue 1.7 - 24.04.2024	G0488	24/04/2024
CEC L-112-16	Elastomer compatibility test	Issue 3.1, 18.01.2022	L 489	08/02/2022
CEC L-114-16	Toyota TCD	Issue 2.2 - 20.10.2022	T0604	03/01/2023
CEC L-117-20	VW TDI3	Issue 03 - 22.05.2025	G0860	23/05/2025
CEC L-118-21	Daimler Truck OM471 FE1	Issue 2.2 - 05.11.2024	T0692	25/11/2024
CEC L-14-93	Bosch pump (30, 90 or 250 cycles)	Issue 10.1, 25.01.2022	L 180	10/03/2022
CEC L-36-90	TBS (dyn. viscosity)	Issue 9, 30.09.2019	L 291	14/10/2019
CEC L-40-93	Noack (evaporation loss)	Issue No. 24, 19.12.2023	L 300	16/01/2024
CEC L-45-99	VKA-KRL – Shear stability	Issue 8, 30.11.2023	L 1054	05/01/2024
CEC L-48-00	DKA - Oxidation test, method B	Issue 18, 29.08.2024	L 3020	01/04/2025
CEC L-54-96	M111FE	Issue 20 - 17.11.2022	T0018	17/11/2022
CEC L-78-99	VW TDI	Issue 12 - 25.01.2023	G0026	14/02/2023
CEC L-82-97	UV/VIS - Soot content (CEC)	Issue No. 14, 17.10.2024	L 140	21/11/2024
CEC L-83-97	Kin. Viscosity at 100 °C (Cannon Fenske)	Issue No. 14, 07.06.2023	L 012	27/10/2023
CEC L-84-02	FZG - A10 16.6R/120	Issue 2.6, 26.09.2024	L 1010	22/11/2024
CEC L-85-99	HPDSC	Issue No. 15, 24.05.2019	L 245	10/07/2019
CEC L-99-08	OM646 WEAR	Issue 9.2 - 26.10.2020	T0159	02/11/2020
DIN 51350-1	VKA – Welding load (oil)	01.03.2015	L 1050	05/03/2015
DIN 51350-1	VKA – Wear indicator (grease)	01.03.2015	L 1053	05/03/2015
DIN 51350-1	VKA – Wear indicator (oil)	01.03.2015	L 1051	05/03/2015
DIN 51350-1	VKA – Welding load (grease)	01.03.2015	L 1052	05/03/2015
DIN 51350-2	VKA – Welding load (oil)	01.03.2015	L 1050	05/03/2015
DIN 51350-3	VKA – Wear indicator (oil)	01.03.2015	L 1051	05/03/2015

DIN 51350-4	VKA – Welding load (grease)	01.03.2015	L 1052	05/03/2015
DIN 51350-5	VKA – Wear indicator (grease)	01.03.2015	L 1053	05/03/2015
DIN 51363-3	ICP	01.08.2008	L 377	
DIN 51377	CCS (dyn. viscosity)	01.10.2003	L 280	
DIN 51380	GC - Fuel content; sim. distillation	01.04.2019	L 150	04/04/2019
DIN 51391-3 (zg)	ICP	01.12.2004	L 377	30/06/2015
DIN 51396-1	ICP	01.08.2005	L 377	
DIN 51398	Brookfield (dyn. viscosity)	01.07.1983	L 310	
DIN 51399-1	ICP	01.02.2017	L 377	25/01/2017
DIN 51399-2	XRF - Element content	01.01.2010	L 709	
DIN 51435	GC - Fuel content; sim. distillation	01.03.2010	L 150	
DIN 51443-2	ICP - Boron	01.01.2012	L 374	
DIN 51451	IR - Spectrum	01.03.2024	L 060	20/02/2024
DIN 51452	IR - Soot content (DIN)	01.01.1994	L 141	
DIN 51453	IR - Oxidation / Nitration (DIN)	01.08.2024	L 069	11/09/2024
DIN 51454	GC - Fuel content; sim. distillation	01.11.2022	L 150	16/11/2022
DIN 51455	Particle number, particle size - Microscope, automat. evaluation	01.12.2020	L 495	07/07/2023
DIN 51535	Deposit test	01.08.2025	L 450	01/08/2025
DIN 51558-1	Neutralization number	01.07.1979	L 130	28/06/2016
DIN 51562-1	Kin. Viscosity at 100 °C (Ubbelohde)	01.01.1999	L 011	18/12/2018
DIN 51562-1	Kin. Viscosity at 40 °C (Ubbelohde)	01.01.1999	L 010	18/12/2018
DIN 51562-1	Kin. Viscosity at x °C (Ubbelohde)	01.01.1999	L 014	18/12/2018
DIN 51562-1 Correcti	Kin. Viscosity at 40 °C (Ubbelohde)	Correction, 01.11.2018	L 010	18/12/2018
DIN 51562-1 Correcti	Kin. Viscosity at 100 °C (Ubbelohde)	Correction, 01.11.2018	L 011	18/12/2018
DIN 51562-1 Correcti	Kin. Viscosity at x °C (Ubbelohde)	Correction, 01.11.2018	L 014	18/12/2018
DIN 51575	Sulphated ash	01.06.2016	L 110	18/05/2016
DIN 51639-1	TBN (ISO - Titrant: HClO4)	01.11.2014	L 037	24/10/2014
DIN 51659-1	Kin. Viscosity at 40 °C (Ubbelohde)	01.02.2017	L 010	21/02/2017
DIN 51659-1	Kin. Viscosity at 100 °C (Ubbelohde)	01.02.2017	L 011	21/02/2017
DIN 51659-1	Kin. Viscosity at x °C (Atlantic)	01.02.2017	L 013	21/02/2017
DIN 51659-1	Kin. Viscosity at x °C (Ubbelohde)	01.02.2017	L 014	21/02/2017
DIN 51659-2	Viscosity (Stabinger)	01.02.2017	L 015	19/06/2019
DIN 51757	Density at 15 °C (DMA)	01.01.2011	L 091	
DIN 51802	Rust prevention (EMCOR)	01.10.2017	L 530	01/07/2025
DIN 51807-1	Behaviour in water	01.03.2020	L 545	28/07/2020
DIN 51808	Oxidation stability (grease)	01.02.2018	L 540	31/01/2018
DIN 51811	Copper strip test (grease)	01.05.2017	L 600	02/05/2017
DIN 51813	Solid matters in lubricating greases	01.08.2022	L 630	01/12/2022
DIN 51817	Oil separation (DIN)	01.08.2014	L 581	29/07/2014
DIN 51818	NLGI grades	01.02.2024	L 552	23/01/2024
DIN 51819-1	FAG FE8 – Oils	01.12.2016	L 1110	16/11/2016
DIN 51819-3	FAG FE8 – Oils	01.12.2016	L 1110	16/11/2016
DIN 51821-1	FAG FE9 – Greases	01.07.2016	L 1200	28/06/2016
DIN 51821-2	FAG FE9 – Greases	01.07.2016	L 1200	28/06/2016
DIN 53504	Tension test	01.03.2017	L 431	05/01/2018
DIN EN 15751	Oxidation stability of FAME and blends with diesel fuel (Rancimat)	01.07.2025	L 856	24/06/2025
DIN EN ISO 10370	Carbon residue – Micro Conradson	01.03.2015	L 810	13/03/2015
DIN EN ISO 12185	Density at 15 °C (DMA)	01.06.2024	L 091	18/06/2024
DIN EN ISO 12937	Water content (KF method, coulometric, direct)	01.03.2002	L 043	
DIN EN ISO 14596	XRF - Element content in oil and greases – Sulphur	01.12.2007	L 703	
DIN EN ISO 2160	Copper strip test	01.04.1999	L 4010	
DIN EN ISO 2592	Flash point (COC)	01.01.2018	L 120	10/01/2018
DIN EN ISO 3016	Pourpoint	01.09.2019	L 210	23/08/2019
DIN EN ISO 3104	Kin. Viscosity at 40 °C (Ubbelohde)	01.04.2024	L 010	24/05/2024
DIN EN ISO 3104	Kin. Viscosity at 100 °C (Ubbelohde)	01.04.2024	L 011	24/05/2024
DIN EN ISO 3104	Kin. Viscosity at x °C (Ubbelohde)	01.04.2024	L 014	24/05/2024
DIN EN ISO 4263-1	TOST - Ageing behaviour of mineral oils (ISO)	01.03.2005	L 3150	
DIN EN ISO 868	Durometer hardness - Shore	01.10.2003	L 432	
DIN ISO 13357-1	Filtration (with water)	01.02.2020	L 190	17/02/2020
DIN ISO 13357-2	Filtration (without water)	01.02.2020	L 191	17/02/2020
DIN ISO 14635-1	FZG - A 8.3/90 FZG - A 16.6/140	01.04.2025	L 1000	16/04/2025
DIN ISO 14635-2	FZG - A10 16.6R/120	01.04.2025	L 1010	16/04/2025
DIN ISO 15597	XRF - Element content in oils and greases – Chlorine	01.01.2006	L 704	
DIN ISO 1817	Determination of volume and thickness	01.11.2016	L 430	03/01/2017
DIN ISO 2049	Color of petroleum products	01.06.2001	L 235	
DIN ISO 2137	Cone penetration – Walk	01.07.2025	L 551	16/07/2025
DIN ISO 2176 (zg)	Dropping point (grease)	01.05.1997	L 500	
DIN ISO 2909	Viscosity Index	01.08.2004	L 020	
DIN ISO 2909 Correct	Viscosity Index	01.01.2005	L 020	
DIN ISO 3733	Water content (xylene method)	01.02.2003	L 041	
DIN ISO 3771	TBN (DIN ISO - Titrant: HClO4)	01.04.1985	L 030	12/11/2014
DIN ISO 48-2	Hardness – Micro IRHD	01.02.2021	L 433	23/02/2021
DIN ISO 48-4	Hardness - Shore	01.02.2021	L 432	23/02/2021
DIN ISO 6618	Neutralization number	01.07.2015	L 130	02/07/2015
DIN ISO 7120	Steel corrosion	01.05.2000	L 4130	
DIN ISO 7120 Correct	Steel corrosion	01.06.2007	L 4130	
DIN ISO 9120	Air release properties	01.10.2023	L 380	27/10/2023
ECE-R-154 Prüfung Typ 1		Revision 3, Amendment 1, 2024-10		
ECE-R-83 Prüfung Typ 1		Revision 6, Amendment 1, 2025-02		
GFC Lu-43-A-11ind2	Oxidation test without diesel fuel B10 (GFC)	01.12.2014	L 3505	27/02/2015

GFC Lu-43-A-11ind2	Oxidation test with diesel fuel B10 (GFC)	01.12.2014	L 3555	27/02/2015
ISO 11007-1	Rust prevention characteristics (EMCOR)	01.07.2021	L 530	27/10/2021
ISO 11007-1 Amendn	Rust prevention characteristics (EMCOR)	01.05.2023	L 530	20/07/2023
ISO 12152	Flender foam test	01.08.2012	L 1400	
ISO 13357-1	Filtration (with water)	01.03.2025	L 190	17/07/2025
ISO 13357-2	Filtration (without water)	01.04.2025	L 191	17/07/2025
ISO 14635-1	FZG - A 8.3/90 FZG - A 16.6/140	Second edition, 01.07.2023	L 1000	28/08/2023
ISO 14635-2	FZG - A10 16.6R/120	Second edition, 01.07.2023	L 1010	28/08/2023
ISO 1817	Determination of volume and thickness	01.03.2024	L 430	10/10/2024
ISO 2592	Flash point (COC)	01.08.2017	L 120	06/03/2023
ISO 3016	Pourpoint	Third editon, 01.04.2019	L 210	09/07/2019
ISO 3104	Kin. Viscosity at 40 °C (Ubbelohde)	01.11.2023	L 010	20/03/2024
ISO 3104	Kin. Viscosity at 100 °C (Ubbelohde)	01.11.2023	L 011	20/03/2024
ISO 3104	Kin. Viscosity at x °C (Ubbelohde)	01.11.2023	L 014	20/03/2024
ISO 3105	Kin. Viscosity at 100 °C (Ubbelohde)	01.12.1994	L 011	
ISO 3105	Kin. Viscosity at 40 °C (Ubbelohde)	01.12.1994	L 010	
ISO 3105	Kin. Viscosity at x °C (Ubbelohde)	01.12.1994	L 014	
ISO 3771	TBN (ISO - Titrant: HClO4)	01.09.2011	L 037	
ISO 3987	Sulphated ash	01.09.2024	L 110	05/11/2024
ISO 48-2	Hardness – Micro IRHD	First edition, 01.08.2018	L 433	19/12/2018
ISO 48-4	Hardness - Shore	01.08.2018	L 432	09/04/2021
ISO 6247	Foaming characteristics seq. I – III	01.06.1998	L 250	
ISO 6247 Corrigendu	Foaming characteristics seq. I – III	01.09.1999	L 250	
ISO 6618	Neutralization number	01.02.1997	L 130	
JASO M366 FE	JASO M366	Issue 3 - 01.03.2019	T0882	19/05/2020
SAE J300	CCS (dyn. viscosity)	01.05.2024	L 280	25/06/2024
VDA 675 301	Elastomer compatibility test MAN (engine oil)	01.12.1992	L 323	
VDA 675 301	Elastomer compatibility test MAN (gear oils)	01.12.1992	L 328	
VDA 675 301	Elastomer compatibility test (special tests)	01.12.1992	L 329	
VDA 675 301	Elastomer compatibility test Daimler (gear oils)	01.12.1992	L 429	
Regulation 2017/1151/EG Attachment XXI	Emission testing procedure Typ 1	2017-06		
Regulation 2018/1832/EG Attachment IX	Emission testing procedure Typ 1	2018-11		
Regulation 2023/443/EG Attachment XIV	Emission testing procedure Typ 1	2023-02		