

# BUREAU OF INDIAN STANDARDS

## Program of Work

### PCD 25 : Lubricants And their Related Products

**Scope:** To formulate Indian Standards for terminology; lubricants, bio-lubricants, lubricating oils & greases and their related products like coolants, hydraulic fluids, corrosion preventives, quenching and cutting oils, lubricants produced through synthesis routes and codes of practice for storage, handling, transport and application.

**Liaison:** **ISO TC-28 SC-4 (P): Classifications and specifications ISO TC-28 (Convenorship): Aviation fuel test methods development**

## Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 1012 : 2002 <span style="color: green;">Reviewed In : 2018</span> Reaffirmed but not taken up for revision	Turbine lubricating oils - Specification (Third Revision)	February, 2018	1	Indigenous
2	IS 10522 : 1983 ISO 3448 <span style="color: green;">Reviewed In : 2019</span>	Specification for antiwear hydraulic oil	November, 2019	-	Indigenous
3	IS 10531 : 1983 <span style="color: green;">Reviewed In : 2019</span>	Code of practice for selection and use of fire - Resistant hydraulic fluids	November, 2019	-	Indigenous
4	IS 10532 (Part 1) : 1983 <span style="color: green;">Reviewed In : 2019</span>	Specification for fire - Resistant hydraulic fluids: Part i dilute emulsions for powered supports	November, 2019	1	Indigenous
5	IS 10532 (Part 2) : 1983 <span style="color: green;">Reviewed In : 2019</span>	Specification for fire - Resistant hydraulic fluids - Part 2 : invert emulsions (Water - In - Oil) type	November, 2019	1	Indigenous
6	IS 10532 (Part 3) : 1983 <span style="color: green;">Reviewed In : 2019</span>	Specificaliton for fire - Resistant hydraulic fluids - Part 3 : water glycol type	November, 2019	2	Indigenous
7	IS 10532 (Part 4) : 2019 <span style="color: green;">Reviewed In : 2024</span>	Fire resistant hydraulic fluids - Specification: Part 4 phosphate esters type (First Revision)	April, 2024	-	Indigenous
8	IS 10532 (Part 5) : 2016 <span style="color: green;">Reviewed In : 2021</span>	Fire resistant hydraulic fluids - Specification: Part 5 organic ester type	April, 2021	-	Indigenous
9	IS 10647 : 1983 <span style="color: green;">Reviewed In : 2019</span>	Specification for wheel bearing grease	November, 2019	-	Indigenous
10	IS 1083 : 2022	Industrial White Oil - Specification (Second Revision)		-	Indigenous
11	IS 1115 : 1986 <span style="color: green;">Reviewed In : 2024</span>	Specification for general purpose cutting oil, soluble (Second	April, 2024	1	Indigenous

		Revision)			
12	IS 11159 (Part 1) : 2020	General Classification of Lubricants, Industrial Oils and Related Products Part 1 Class L ( First Revision )	-	-	Indigenous
13	IS 11159 (Part 2) : 2021	Classification of lubricants industrial oils and related products Part 2 Family A Total loss systems		-	Indigenous
14	IS 11159 (Part 3) : 2021	General classification of lubricants industrial oils and related products Part 3 Family F Spindle bearings bearings and associated clutches		-	Indigenous
15	IS 11159 (Part 4) : 2011 ISO 6743-3 : 2003 Reviewed In : 2021 ISO 6743-3 : 2003	Lubricants, industrial oils and related products (Class L) - Classification: Part 4 family d (Compressors)	April, 2021	-	Identical under dual numbering
16	IS 11159 (Part 5) : 2019 ISO 6743_4 : 2009  Reaffirmed but not taken up for revision ISO 6743-4 : 1999	Lubricants, industrial oils and related products (Class L) - Classification: Part 5 family h (Hydraulic Systems) (First Revision)	-	-	Identical under dual numbering
17	IS 11159 (Part 6) : 2011 ISO 6743_5 : 2006 Reviewed In : 2021 ISO 6743-5 : 2006	Lubricants, industrial oils and related products (Class L) - Classification: Part 6 family t (Turbines)	April, 2021	-	Identical under dual numbering
18	IS 11159 (Part 7) : 2019 ISO 6736-6 : 2018  Reaffirmed but not taken up for revision ISO 6743-6 : 2018	Lubricants, industrial oils and related products (Class L) - Classification: Part 7 family c (Gear Systems) (First Revision)	-	-	Identical under dual numbering
19	IS 11159 (Part 13) : 2019 ISO 6743-12 : 1989  Reaffirmed but not taken up for revision ISO 6743-12	Lubricants, industrial oils and related products (Class L) - Classification: Part 13 family q (Heat Transfer Fluids)		-	Identical under dual numbering
20	IS 1118 : 2019	Gear lubricants, multipurpose (Extreme Pressure Gear Oil) - specification (Second Revision)	-	-	Indigenous
21	IS 11186 : 1985 Reviewed In : 2024	Specification for synthetic grinding fluid	April, 2024	1	Indigenous
22	IS 1153 : 2021	Temporary Corrosion Preventives Hard Film Solvent Deposited		-	Indigenous
23	IS 1154 : 2022	Temporary Corrosion Preventive Fluid, Soft Film, Solvent Deposited, Water Displacing - Specification (second revision)		-	Indigenous
24	IS 11637 : 2022	Calcium Based EP Grease - Specification (first revision)		-	Indigenous
25	IS 11656 : 1986 Reviewed In : 2024	Specification for antiwear hydraulic oil, extra heavy duty type	April, 2024	1	Indigenous
26	IS 11695 : 2020	Inhibited Type Machinery Oils ?	-	-	Indigenous

		Specification ( First Revision )			
27	IS 11696 : 2020	Inhibited Type Spindle Oils ? Specification ( First Revision )	-	-	Indigenous
28	IS 12203 : 1999 Reviewed In : 2019	Lithium base grease for automotive purposes - Specification (First Revision)	November, 2019	-	Indigenous
29	IS 12790 : 1999 Reviewed In : 2019	Non - Soap grease - Specification (First Revision)	November, 2019	-	Indigenous
30	IS 12927 : 2004 Reviewed In : 2019	Glass mould oils - Specification (First Revision)	November, 2019	-	Indigenous
31	IS 13256 : 1992 Reviewed In : 2019	Air compressor lubricants - Types daa and dab - Specification	November, 2019	-	Indigenous
32	IS 13656 : 2019	Internal combustion engine crankcase oils for automotive application (Diesel And Gasoline) - Specification (Third Revision)	-	1	Indigenous
33	IS 13796 : 2004 Reviewed In : 2019	Molybdenum disulphide powder for lubricants - Specification (First Revision)	November, 2019	-	Indigenous
34	IS 13797 : 2021	Molybdenum Disulphide Dispersion in Oil - Specification (first revision)		-	Indigenous
35	IS 13913 : 2020	Molybdenum Disulphide, Paste ? Specification ( First Revision )	-	-	Indigenous
36	IS 14234 (Part 1) : 2002 Reviewed In : 2018 Reaffirmed but not taken up for revision	Lubricants for air - Cooled spark - Ignition engines - Specification: Part 1 two - Stroke spark - Ignition engines (First Revision)	February, 2018	-	Indigenous
37	IS 14234 (Part 2) : 2017 Reviewed In : 2024	Lubricants for Spark-Ignition Air- Cooled Gasoline Engines "â€” Specification Part 2 Four-Stroke Spark-Ignition Air-Cooled Engines for Scooters, Mopeds and Motorcycles	April, 2024	-	Indigenous
38	IS 14383 : 1996 Reviewed In : 2018 Reaffirmed but not taken up for revision	Silicone greases - Specification	February, 2018	-	Indigenous
39	IS 14384 : 1996 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Colloidal graphite dispersion in oil - Specification	April, 2024	-	Indigenous
40	IS 14385 : 1996 Reviewed In : 2024	Aluminium cold rolling oils - Specification	April, 2024	-	Indigenous
41	IS 14745 : 1999 Reviewed In : 2019	Thermic fluids - Specification	November, 2019	-	Indigenous
42	IS 14779 : 2000 Reviewed In : 2016 Reaffirmed but not taken up for revision	General purpose oil based temporary corrosion preventives - Specification	May, 2016	-	Indigenous
43	IS 14847 : 2000	Lithium complex grease for	May, 2016	-	Indigenous

	Reviewed In : 2016 Reaffirmed but not taken up for revision	industrial purposes - Specification			
44	IS 15112 (Part 1) : 2002 ISO 12925-1 Reviewed In : 2024 ISO 12925-1	General classification of lubricants, industrial oils and related products: Part 1 class 1	April, 2024	-	Identical under dual numbering
45	15178 : 2021 ISO 7745 : 2010 ISO 7745 : 2010	Hydraulic Fluid Power - Fire-Resistant ( FR ) Fluids - Requirements and Guidelines for Use ( First Revision )		-	Identical under dual numbering
46	IS 1589 : 1994 Reviewed In : 2024	Oil, cylinder - Specification (First Revision)	April, 2024	-	Indigenous
47	IS 1628 : 1986 Reviewed In : 2024	Specification for axle oil (Second Revision)	April, 2024	-	Indigenous
48	IS 16775 : 2018 ISO/TS 11365 : 2011 Reviewed In : 2024 ISO/TS 11365:2011	Petroleum and related products - Guidance for the maintenance and use of triaryl phosphate ester turbine - Control fluids	April, 2024	-	Identical under dual numbering
49	IS 16852 : 2018 ISO/TS 11366 : 2011 Reviewed In : 2023 Reaffirmed but not taken up for revision	Petroleum and related products - Guidance for in - Servicing of lubricating oils for steam, gas and combined - Cycle turbines	July, 2023	-	Indigenous
50	IS 16909 : 2018 Reviewed In : 2023	Girth gear lubricants - Specification	July, 2023	-	Indigenous
51	IS 17382 : 2021	Syn Gas Ammonia Turbo Compressor Lubricating Oils Specification		-	Indigenous
52	IS 1758 : 1986 Reviewed In : 2024	Specification for jute batching oil (Second Revision)	April, 2024	-	Indigenous
53	IS 18722 (Part 1) : 2024	VIRGIN AND RE-REFINED BASE OILS OF MINERAL ORIGIN $i_{1/2}$ SPECIFICATION Part 1 : Group I to Group III Base Oils		-	Indigenous
54	IS 2297 : 1997 Reviewed In : 2019	Gear lubricants, compounded - Specification (Third Revision)	November, 2019	-	Indigenous
55	IS 2664 : 1980 Reviewed In : 2019	Specification for quenching oil (Second Revision)	November, 2019	1	Indigenous
56	IS 3065 : 2021	cutting oil neat		-	Indigenous
57	IS 3098 : 1983 Reviewed In : 2019	Specification for oil, hydraulic, mineral oil type (Second Revision)	November, 2019	-	Indigenous
58	IS 408 : 2020	Grease No. 0, Graphited — Specification ( Third Revision )	-	1	Indigenous
59	IS 4543 : 1977 Reviewed In : 2019	Specification marquenching oil (First Revision)	November, 2019	1	Indigenous
60	IS 4578 : 1997 Reviewed In : 2019	Lubricants - Lubricating oil for refrigeration machinery - Specification (Second Revision)	November, 2019	1	Indigenous
61	IS 493 (Part 1) :	Specification for general purpose	-	-	Indigenous

	2019 Reaffirmed but not taken up for revision	machinery and spindle oils: Part 1 machinery oils (Second Revision)			
62	IS 493 (Part 2) : 2019 Reaffirmed but not taken up for revision	Specification for general purpose machinery and spindle oils: Part 2 spindle oils (Second Revision)	-	-	Indigenous
63	IS 495 : 2023	Graphite Flake for Lubricants - Specification		-	Indigenous
64	IS 506 : 2019 Reaffirmed but not taken up for revision	Automotive and other general purpose grease ? specification (Fourth Revision)	-	-	Indigenous
65	IS 507 : 1993 Reviewed In : 2021	General purpose grease for defence applications - Specification (Third Revision)	December, 2021	-	Indigenous
66	IS 508 : 2022	Grease Graphited - Specification (fifth revision)		-	Indigenous
67	IS 5730 : 1970 Reviewed In : 2019	Specification for volatile corrosion inhibitor powder	November, 2019	-	Indigenous
68	IS 5759 : 2006 Reviewed In : 2024	Antifreeze coolant - Specification (Second Revision)	April, 2024	-	Indigenous
69	IS 6049 : 1971 Reviewed In : 2024	Code of practice for application of temporary corrosion preventives	April, 2024	1	Indigenous
70	IS 6050 : 1971 Reviewed In : 2019	Specification for temporary corrosion preventives, strippable, hot dipping type	November, 2019	2	Indigenous
71	IS 6263 : 2018 Reaffirmed but not taken up for revision	Volatile corrosion inhibitor (Vci) treated paper - Specification (First Revision)	-	-	Indigenous
72	IS 6552 : 1987 Reviewed In : 2019	Specification for straight mineral high demulsibility oils (First Revision)	November, 2019	-	Indigenous
73	IS 719 : 2022	Antifriction Bearing Grease (third revision)		-	Indigenous
74	IS 720 : 2022	Locomotive Greases		-	Indigenous
75	IS 7514 : 2020 DEF STAN 91-111 Issu	Grease, Low Temperature ? Specification ( Second Revision )	-	-	Modified/Technically Equivalent
76	IS 7623 : 2019	Multipurpose industrial grease - Specification (Third Revision)	-	-	Indigenous
77	IS 8406 : 1993 Reviewed In : 2024	Gear lubricants for enclosed industrial gear drives - Specification (Second Revision)	April, 2024	1	Indigenous
78	IS 8654 : 2019	Automotive hydraulic brake fluid,	-	-	Indigenous

		heavy duty - Specification (Third Revision)			
79	IS 9136 : 2022	Calcium Complex Grease - Specification (second revision)		-	Indigenous
80	IS 9182 (Part 1) : 1993 ISO 3156 Reviewed In : 2019	Lubricants for wire ropes and fibre cores - Specification: Part 1 lubricants for fibre core of wire - Ropes (First Revision)	November, 2019	-	Indigenous
81	IS 9182 (Part 2) : 1993 ISO 3156 Reviewed In : 2019	Lubricants for wire ropes and - Fibre cores - Specification part - 2 lubricants for wire strands and ropes . (First Revision)	November, 2019	-	Indigenous
82	IS 9182 (Part 3) : 1993 ISO 3156 Reviewed In : 2019	Lubricants for wire ropes and fibre cores - Specification: Part 3 lubricants for rope dressing in service (First Revision)	November, 2019	-	Indigenous
83	IS 9466 : 2020 ISO 3448-92	Viscosity Classification For Industrial Liquid Lubricants ( First Revision )	-	-	Modified/Technically Equivalent
84	IS 9554 : 1980 Reviewed In : 2019	Specifications for lubricants for open gears	November, 2019	1	Indigenous
85	IS 958 : 2020	Temporary Corrosion Preventives, Grease Type, Soft Film ? Specification ( Third Revision )	-	-	Indigenous
86	IS 9611 : 1980 Reviewed In : 2019	Specifications for cutting oil soluble, clear	November, 2019	1	Indigenous
87	IS 9917 : 2022	Calcium Base Heat Stable Grease - Specification (second revision)		-	Indigenous

### Standards under Development

#### Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	PCD 25 (23378)	BIODEGRADABLE LUBRICATING GREASES SPECIFICATION
2	PCD 25 (26822) <span style="color: green;">Revision of: IS 13656:2019</span>	INTERNAL COMBUSTION ENGINE CRANKCASE OILS FOR AUTOMOTIVE APPLICATION DIESEL AND GASOLINE SPECIFICATION
3	PCD 25 (26883) <span style="color: green;">Revision of: IS 4543:1977</span>	MARQUENCHING OILS SPECIFICATION
4	PCD 25 (26917) <span style="color: green;">Revision of: IS 4578:1997</span>	LUBRICANTS LUBRICATING OIL FOR REFRIGERATION MACHINERY SPECIFICATION
5	PCD 25 (26983) <span style="color: green;">Revision of: IS 1118:2019</span>	AUTOMOTIVE GEAR AND AXLE LUBRICANTS MULTIPURPOSE EXTREME PRESSURE SPECIFICATION Third Revision of IS 1118

#### Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	PCD 25 (14904)	All weather antiwear hydraulic oils - Specification

2	PCD 25 (22800) Revision of: IS 1118:2019	LUBRICANTS FOR SPARK-IGNITION AIR-COOLED GASOLINE ENGINES SPECIFICATION Part 2 Four-Stroke Spark-Ignition Air-Cooled Engines for Scooters Mopeds and Motorcycles
3	PCD 25 (25017)	LUBRICANTS INDUSTRIAL OILS AND RELATED PRODUCTS CLASS L FAMILY H HYDRAULIC SYSTEMS SPECIFICATIONS FOR HYDRAULIC FLUIDS IN CATEGORIES HETG HEPG HEES AND HEPR
4	PCD 25 (25088) Revision of: IS 1118:2019	SPECIFICATION FOR SYNTHETIC GRINDING FLUID
5	PCD 25 (25117) Revision of: IS 1118:2019	GENERAL PURPOSE GREASE FOR DEFENCE APPLICATIONS SPECIFICATION
6	PCD 25 (25217) Revision of: IS 1118:2019	GEAR LUBRICANTS FOR ENCLOSED INDUSTRIAL GEAR DRIVES SPECIFICATION
7	PCD 25 (25403) Revision of: IS 1118:2019	PETROLEUM AND RELATED PRODUCTS REQUIREMENTS AND GUIDANCE FOR THE MAINTENANCE OF TRIARYL PHOSPHATE ESTER TURBINE CONTROL FLUIDS
8	PCD 25 (25990) Revision of: IS 1118:2019	HYDRAULIC FLUID POWER FIRE-RESISTANT FLUIDS REQUIREMENTS AND GUIDELINES FOR USE

### Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	PCD 25 (14340) Revision of: IS 12203:1999	MULTIPURPOSE GREASE FOR AUTOMOTIVE APPLICATIONS SPECIFICATION
2	PCD 25 (14360) Revision of: IS 10647:1983	Wheel Bearing Grease
3	PCD 25 (23946)	LUBRICANTS INDUSTRIAL OILS AND RELATED PRODUCTS CLASS L FAMILY H HYDRAULIC SYSTEMS SPECIFICATIONS FOR HYDRAULIC FLUIDS IN CATEGORIES HFAE HFAS HFB HFC HFDR AND HFDU

### Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	PCD 25 (18597) Revision of: IS 6552:1987	Straight mineral high demulsibility oils - Specification
2	PCD 25 (18660) Revision of: IS 2664:1980	Quenching oil - Specification Third Revision
3	PCD 25 (23352) Revision of: IS 13256:1992	LUBRICANTS INDUSTRIAL OILS AND RELATED PRODUCTS CLASS L FAMILY D COMPRESSORS PART 1 SPECIFICATIONS OF CATEGORIES DAA AND DAB LUBRICANTS FOR RECIPROCATING AND DRIP FEED ROTARY AIR COMPRESSORS

**Total Published Standards:85 Total Standards Under development:19**

### Aspect Wise Report

Product : 73  
Code of Practices : 4  
Methods of Test : 0  
Terminology : 0  
Dimensions : 0  
System Standard : 0  
Safety Standard : 0  
Others : 9  
Service Specification : 0  
Process Specification : 0  
Unclassified : 0

### Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
		Specification for lubricants for clock like mechanisms and precision instruments Second Revision



1	IS 1088 : 1987 Reviewed In : 2019	
2	IS 14234 : 1996 Reviewed In : 2013	Lubricants for Two-stroke Spark Ignition Air-cooled Gasoline Engines
3	IS 8654 : 2001 Reviewed In : 2011 ISO 2797:2017	Automotive Hydraulic Brake Fluid Heavy Duty

### Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 1012 : 2002 Reviewed In : 2018 Reaffirmed but not taken up for revision	Turbine lubricating oils - Specification Third Revision
2	IS 10522 : 1983 ISO 3448 Reviewed In : 2019	Specification for antiwear hydraulic oil
3	IS 10532 (Part 1) : 1983 Reviewed In : 2019	Specification for fire - Resistant hydraulic fluids Part i dilute emulsions for powered supports
4	IS 10532 (Part 2) : 1983 Reviewed In : 2019	Specification for fire - Resistant hydraulic fluids - Part 2 invert emulsions Water - In - Oil type
5	IS 10532 (Part 3) : 1983 Reviewed In : 2019	Specificaion for fire - Resistant hydraulic fluids - Part 3 water glycol type
6	IS 10532 (Part 4) : 2019 Reviewed In : 2024	Fire resistant hydraulic fluids - Specification Part 4 phosphate esters type First Revision
7	IS 10532 (Part 5) : 2016 Reviewed In : 2021	Fire resistant hydraulic fluids - Specification Part 5 organic ester type
8	IS 10647 : 1983 Reviewed In : 2019	Specification for wheel bearing grease
9	IS 1083 : 2022 ISO 5366:2016	Industrial White Oil - Specification Second Revision
10	IS 1115 : 1986 Reviewed In : 2024	Specification for general purpose cutting oil soluble Second Revision
11	IS 1118 : 2019	Gear lubricants multipurpose Extreme Pressure Gear Oil - specification Second Revision
12	IS 11186 : 1985 Reviewed In : 2024	Specification for synthetic grinding fluid
13	IS 1153 : 2021 IEC 62746-10-1:2018	Temporary Corrosion Preventives Hard Film Solvent Deposited
14	IS 1154 : 2022 ISO 15324	Temporary Corrosion Preventive Fluid Soft Film Solvent Deposited Water Displacing - Specification second revision
15	IS 11637 : 2022	Calcium Based EP Grease - Specification first revision
16	IS 11656 : 1986 Reviewed In : 2024	Specification for antiwear hydraulic oil extra heavy duty type
17	IS 11695 : 2020	Inhibited Type Machinery Oils Specification First Revision
18	IS 11696 : 2020	Inhibited Type Spindle Oils Specification First Revision
19	IS 12203 : 1999 Reviewed In : 2019	Lithium base grease for automotive purposes - Specification First Revision
20	IS 12790 : 1999 Reviewed In : 2019	Non - Soap grease - Specification First Revision



21	IS 12927 : 2004 Reviewed In : 2019	Glass mould oils - Specification First Revision
22	IS 13256 : 1992 Reviewed In : 2019	Air compressor lubricants - Types daa and dab - Specification
23	IS 13656 : 2019	Internal combustion engine crankcase oils for automotive application Diesel And Gasoline - Specification Third Revision
24	IS 13796 : 2004 Reviewed In : 2019	Molybdenum disulphide powder for lubricants - Specification First Revision
25	IS 13797 : 2021	Molybdenum Disulphide Dispersion in Oil - Specification first revision
26	IS 13913 : 2020	Molybdenum Disulphide Paste Specification First Revision
27	IS 14234 (Part 1) : 2002 Reviewed In : 2018 Reaffirmed but not taken up for revision	Lubricants for air - Cooled spark - Ignition engines - Specification Part 1 two - Stroke spark - Ignition engines First Revision
28	IS 14234 (Part 2) : 2017 Reviewed In : 2024	Lubricants for Spark-Ignition Air-Cooled Gasoline Engines Specification Part 2 Four-Stroke Spark-Ignition Air-Cooled Engines for Scooters Mopeds and Motorcycles
29	IS 14383 : 1996 Reviewed In : 2018 Reaffirmed but not taken up for revision	Silicone greases - Specification
30	IS 14384 : 1996 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Colloidal graphite dispersion in oil - Specification
31	IS 14385 : 1996 Reviewed In : 2024	Aluminium cold rolling oils - Specification
32	IS 14745 : 1999 Reviewed In : 2019	Thermic fluids - Specification
33	IS 14779 : 2000 Reviewed In : 2016 Reaffirmed but not taken up for revision	General purpose oil based temporary corrosion preventives - Specification
34	IS 14847 : 2000 Reviewed In : 2016 Reaffirmed but not taken up for revision	Lithium complex grease for industrial purposes - Specification
35	IS 15112 (Part 1) : 2002 ISO 12925-1 Reviewed In : 2024 ISO 12925-1	General classification of lubricants industrial oils and related products Part 1 class 1
36	15178 : 2021 ISO 7745 : 2010 ISO 21672-1:2012	Hydraulic Fluid Power - Fire-Resistant FR Fluids - Requirements and Guidelines for Use First Revision
37	IS 1589 : 1994 Reviewed In : 2024	Oil cylinder - Specification First Revision
38	IS 1628 : 1986 Reviewed In : 2024	Specification for axle oil Second Revision
39	IS 16909 : 2018 Reviewed In : 2023	Girth gear lubricants - Specification
40	IS 17382 : 2021	Syn Gas Ammonia Turbo Compressor Lubricating Oils Specification
41	IS 1758 : 1986 Reviewed In : 2024	Specification for jute batching oil Second Revision

42	IS 18722 (Part 1) : 2024	VIRGIN AND RE-REFINED BASE OILS OF MINERAL ORIGIN SPECIFICATION Part 1 Group I to Group III Base Oils
43	IS 2297 : 1997 Reviewed In : 2019	Gear lubricants compounded - Specification Third Revision
44	IS 2664 : 1980 Reviewed In : 2019	Specification for quenching oil Second Revision
45	IS 3065 : 2021 ISO 20236 : 2018	cutting oil neat
46	IS 3098 : 1983 Reviewed In : 2019	Specification for oil hydraulic mineral oil type Second Revision
47	IS 408 : 2020	Grease No 0 Graphited Specification Third Revision
48	IS 4543 : 1977 Reviewed In : 2019	Specification marquenching oil First Revision
49	IS 4578 : 1997 Reviewed In : 2019	Lubricants - Lubricating oil for refrigeration machinery - Specification Second Revision
50	IS 493 (Part 1) : 2019 Reaffirmed but not taken up for revision	Specification for general purpose machinery and spindle oils Part 1 machinery oils Second Revision
51	IS 493 (Part 2) : 2019 Reaffirmed but not taken up for revision	Specification for general purpose machinery and spindle oils Part 2 spindle oils Second Revision
52	IS 495 : 2023	Graphite Flake for Lubricants - Specification
53	IS 506 : 2019 Reaffirmed but not taken up for revision	Automotive and other general purpose grease specification Fourth Revision
54	IS 507 : 1993 Reviewed In : 2021	General purpose grease for defence applications - Specification Third Revision
55	IS 508 : 2022	Grease Graphited - Specification fifth revision
56	IS 5730 : 1970 Reviewed In : 2019	Specification for volatile corrosion inhibitor powder
57	IS 5759 : 2006 Reviewed In : 2024	Antifreeze coolant - Specification Second Revision
58	IS 6050 : 1971 Reviewed In : 2019	Specification for temporary corrosion preventives strippable hot dipping type
59	IS 6263 : 2018 Reaffirmed but not taken up for revision	Volatile corrosion inhibitor Vci treated paper - Specification First Revision
60	IS 6552 : 1987 Reviewed In : 2019	Specification for straight mineral high demulsibility oils First Revision
61	IS 719 : 2022	Antifriction Bearing Grease third revision
62	IS 720 : 2022	Locomotive Greases
63	IS 7514 : 2020 DEF STAN 91-111 Issu	Grease Low Temperature Specification Second Revision
64	IS 7623 : 2019	Multipurpose industrial grease - Specification Third Revision

65	IS 8406 : 1993 Reviewed In : 2024	Gear lubricants for enclosed industrial gear drives - Specification Second Revision
66	IS 9136 : 2022	Calcium Complex Grease - Specification second revision
67	IS 9182 (Part 1) : 1993 ISO 3156 Reviewed In : 2019	Lubricants for wire ropes and fibre cores - Specification Part 1 lubricants for fibre core of wire - Ropes First Revision
68	IS 9182 (Part 2) : 1993 ISO 3156 Reviewed In : 2019	Lubricants for wire ropes and - Fibre cores - Specification part - 2 lubricants for wire strands and ropes First Revision
69	IS 9182 (Part 3) : 1993 ISO 3156 Reviewed In : 2019	Lubricants for wire ropes and fibre cores - Specification Part 3 lubricants for rope dressing in service First Revision
70	IS 9554 : 1980 Reviewed In : 2019	Specifications for lubricants for open gears
71	IS 958 : 2020	Temporary Corrosion Preventives Grease Type Soft Film Specification Third Revision
72	IS 9611 : 1980 Reviewed In : 2019	Specifications for cutting oil soluble clear
73	IS 9917 : 2022 ISO 18744 : 2016	Calcium Base Heat Stable Grease - Specification second revision