



LUBRUN

Parsian oil co.
Lubricants Handbook





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Introduction

Parsian Oil Company started its activity with LUBRUN trademark in 2007.

Parsian Oil Company with manufacturing of petroleum products along with the improvements in the technology world.

The company is relying on experienced and specialist forces and take advantage of the possibilities of blending , laboratory ,research , appropriate steps received in the field of lubricants in the country.

The company is one the producers of industrial oil in IRAN. Parsian oil company also manufacturing type of engine oil with high performance.



Level, antifreeze, coolants industrial lubricants and special products. The manufacture's capacity has been extended to 15,000 tons/year at 2013, meanwhile the quality of the products have been upgraded according to the appropriate advanced international standards

Parsian oil company have marketing technical services for industrial and all of customers.

The new oils to be made based on needs the declaration of customers.

Construction the new oils based on as below:

Specification, sample, consumption location and Schedule and etc.



Petroleum & Crude oil Refinery



The Importance of Refineries

Most lubricating oils come from petroleum or crude oil. In order to get lubricating oil from a crude oil, the crude oil must be sent through a refinery. The refinery takes from the crude oil a lot of molecules of various sizes and structures that can be used for different things. For example, gasoline, diesel and kerosene are all derived from crude oil. Lubricating oil relates to hydrocarbon molecules of a particular size (in the range from 26 to 40 carbons). Fairly large and heavy molecules are needed to work as lubricating oils. The molecules that are used with gasoline and kerosene are smaller and have fewer carbons in the structure of the molecule.



Category Of Base oil Groups



Base Oil Groups

The American Petroleum Institute (API) has categorized base oil into five categories.

The first three groups are refined from petroleum crude oil. Group IV base oil are full synthetic (polyalphaolefin) oils. Group V is for all other base oils not included in Groups I through IV.

Before all the additives are added to the mixture, lubricating oils begin as one or more of these five API groups.

The hydrocarbons can be divided into three main groups: paraffinic, naphthenic and aromatic.

Paraffinic hydrocarbons are the best lubricants. The distillation process in the refinery separates the hydrocarbons contained in the crude into cuts based on the molecule size.

Most of the hydrocarbons in the base oil are paraffinic, but it also contains naphthenic and aromatic molecules. When the finished lubricants, such as motor oil, is made of these, several additive compounds are used to improve the base oil properties.



Group I

Group I base oils are the least refined of all the groups. They are generally used in less demanding applications.

Group I base oil contain less than 90 percent saturate and greater than 0.3 percent sulfur and with a viscosity index range of 80 to 120.

Group I base oils are solvent-refined which is a simpler refining process and some automotive oils on the market use group I.

Group II

Group II base oil have fair to good performance in lubricating properties such as volatility , oxidative stability and flash point.

Group II base contain greater than 90 percent saturates and less than 0.3 percent sulfur and have viscosity index greater than 80 and less than 120.



They are often manufactured by hydrocracking, which is a more complex process than what is used for group I base oil.

Group III

Group III base oils are the highest level of mineral oil refining of the base oil groups they offer good performance in a wide range of attributes as well as good molecular uniformity and stability. They are commonly mixed additives and marketed as synthetic or semi-synthetic products.

Group III based oils contain greater than or 90 percent saturates and less than 0.3 percent sulfur and have viscosity index greater than 120.



Group IV

Group IV base oils are polyalphaolefins (PAO) and are chemically engineered synthetic base stocks.

Poly Alpha Olefins (PAO's) are a common example of synthetic base oil.

They have very stable chemical compositions and highly uniform molecular chains. Group IV base oils are becoming more common in synthetic and synthetic – blend products for automotive and industrial applications.

Group V

Group V base oils are classified as all other base oils, including silicone, phosphate ester, polyalkylene glycol (PAG), polyester, bio lubes, etc.

These base oils are at times mixed with other base stocks to enhance the oil's properties.

Ester oils can take more a base at higher temperatures and will provide superior detergency compared to a PAO synthetic base oil , which in turn increases the hours of use.

Comparison table of viscosity of different oils

API groups	Type of base oil	Sulfur	Saturated hydrocarbons	VI
I	Ordinary mineral oils extracted with solvents	>0.03%	<90%	80-120
II	Hydrocracking mineral oils	>0.03%	<90%	80-120
III	Hydrocracking mineral oils & GTL	>0.03%	<90%	>120
IV	Poly-alpha olefin	-	-	-
V	All oils except the above four groups such as esters	-	-	-



Solid–film lubricants

A variety of solid materials are available for use in solid – film lubricants.

The most commonly used are molybdenum disulfide, graphite and Polytetrafluoroethylene. While these are the most common, you also may see such materials as tungsten disulfide, boron nitride, lead oxide, antimony oxide, lead, tin, silver, fluorinated ethylene propylene (FEP)

Perfluoroalkoxy copolymer (PFA), etc. Solid lubricants are used primarily as extreme–pressure or anti wear type additives.



The amount of sample required for laboratory tests

Test name	Test method (ASTM)	Required volume (ml)
Color (Saybolt)	D156	75
Color (Lovibond)	D1500	55
water content (Karl Fischer)	D6304	50
Density	D1298	200
Density	D4052	10
Kinematic Viscosity 40 °C & 100 °C	D445	25
Total Acidic number	D974 D664	50
Total Basic Number	D2896	10
Flash point & Fire point (Cleveland Open Cup)	D92	100
Pour Point	D97	55
Water Separated	D1401	50
Foam	D892	400
Elemental analysis (ICP)	D5185	20
Degree of Cleanliness	NAS 1638 ISO 4406	100
Copper corrosion	D130	100
Rust protection	D665	400
Oil Volatility (Noack)	D5800	150
Oxidation stability test (RBOT)	D2272	100
Aniline Point	D611	20
Dielectric	IEC- 60156	500
Residual Carbon (Conradson)	D189	20

Test name	Test method (ASTM)	Required volume (ml)
Residual Carbon (Ramsbottom)	D524	20
Ash content	D482	100
Ash Sulfated content	D874	100
Insoluble matter in pentane	D893	15
Insoluble in toluene	D893	15
Corrosion in a glass container	D1384	750
Refractive index	D1218	10
Emulsion stability status	Ip263	50
pH	D1287	80
Reserve alkalinity	D1121	20
Dynamic viscosity (Brookfield)	D2983	100
Dynamic viscosity (Cold Cranking Simulator)	D5293	100
Shear stability	D6287	1000
Flock point	D2500	55
Corrosion in the steam room	D1748	200
Saponification Number	D94	25
Determination of grease penetration	D217	500
Grease drop point	D566	10
Oil separation from grease	D1742	150
Resistant to water wash out	D1264	50
Grease copper corrosion	D4048	100



Viscosity comparison table in different units

Kinematic Viscosity (centi Stokes)	Saybolt Universal (Seconds)	Redwood No.1 (Seconds)	Engler (Degrees)	Saybolt Furol (Seconds)	Redwood No.2 (Seconds)
1.8	32	30.8	1.14	-	-
2.7	35	32.2	1.18	-	-
4.2	40	36.2	1.32	-	-
5.8	45	40.6	1.46	-	-
7.4	50	44.9	1.60	-	-
8.9	55	49.1	1.75	-	-
10.3	60	53.5	1.88	-	-
11.7	65	57.9	2.02	-	-
13.0	70	62.3	2.15	-	-
14.3	75	67.6	2.31	-	-
15.6	80	71.0	2.42	-	-
16.8	85	75.1	2.55	-	-
18.1	90	79.6	2.68	-	-
19.2	95	84.2	2.81	-	-
20.4	100	88.4	2.95	-	-
22.8	110	97.1	3.221	-	-
25.0	120	105.9	3.49	-	-
27.4	130	114.8	3.77	-	-
29.6	140	123.6	4.04	-	-
31.8	150	132.4	4.32	-	-
34.2	160	141.1	4.59	-	-
36.0	170	150.0	4.88	-	-
38.4	180	158.8	5.15	-	-
40.6	190	167.5	5.44	-	-
42.8	200	176.4	5.72	23.0	-
47.2	220	194.0	6.28	25.3	-
51.8	240	212	6.85	27.0	-
55.9	260	229	7.38	28.7	-
60.2	280	247	7.95	30.5	-
64.5	300	256	8.51	32.5	-
69.9	325	287	9.24	35.0	-
75.3	350	309	9.95	37.2	-
80.7	375	331	10.7	39.5	-
86.1	400	353	11.4	42.0	-
91.5	42.5	375	12.1	44.2	-



Comparison table of viscosity of different oils

Kinematic Viscosity (centi Stokes)	Saybolt Universal (Seconds)	Redwood No.1 (Seconds)	Engler (Degrees)	Saybolt Furol (Seconds)	Redwood No.2 (Seconds)
96.8	450	397	12.8	47.0	-
102.2	475	419	13.5	49	-
107.6	500	441	14.2	51	-
118.4	550	485	15.6	56	-
129.2	600	529	17.0	61	-
140.3	650	573	18.5	66	-
151	700	617	19.5	71	-
162	750	661	21.3	76	-
173	800	705	22.7	81	-
183	850	749	24.2	86	-
194	900	793	25.6	91	-
205	950	837	27.0	96	-
215	1000	882	28.4	100	-
259	1200	1058	34.1	121	104
302	1400	1234	39.8	141	122
345	1600	1411	45.5	160	138
388	1800	1587	51	180	153
432	2000	1763	57	200	170
541	2500	2204	71	250	215
650	3000	2646	85	300	255
758	3500	3087	99	350	300
866	4000	2526	114	400	345
974	4500	3967	128	450	390
1082	5000	4408	142	500	435
1190	5500	4849	156	550	475
300	6000	5290	170	600	515
1405	6500	5730	185	650	580
1515	7000	6.171	199	700	600
1625	7500	6.612	213	750	645
1730	8000	7.053	227	800	690
1840	8500	7494	242	850	730
1950	9000	7434	256	900	770
2055	9500	8375	270	950	815
2165	10000	8816	284	1000	855

Engine oil viscosity classification SAE J300 (2015 January)

Degree of viscosity SAE	Viscosity at low temperatures °C		Viscosity at High temperatures °C		
	Related to engine start (cP) ASTM D-5293	Related to oil pumping (cP) ASTM D-4684	Viscosity @ 100 °C (cSt) ASTM D-445		* Viscosity at high shear stress (10 ⁶ s ⁻¹) @ 150 °C
	Max	Max	Min	Max	Min
0w	-35 @ 6200	-40 @ 6000	3.8	-	-
5w	-30 @ 6600	-35 @ 6000	3.8	-	-
10w	-25 @ 7000	-30 @ 6000	4.1	-	-
15w	-20 @ 7000	-25 @ 6000	5.6	-	-
20w	-15 @ 9500	-20 @ 6000	5.6	-	-
25w	-10 @ 1300	-15 @ 6000	9.3	-	-
8	-	-	4	< 6.1	1.7
12	-	-	5	< 7.1	2
16	-	-	6.1	< 8.2	2.3
20	-	-	6.9	< 9.3	2.6
30	-	-	9.3	< 12.5	2.9
40	-	-	12.5	< 16.3	3.5 (0w-40, 5w-40, 10w-40)
40	-	-	12.5	< 16.3	3.7 (15w-40, 20w- 40, 25w-40, 40)
50	-	-	16.3	< 21.9	3.7
60	-	-	21.9	< 26.1	3.7

1mPa sec= 1 cP; 1mm²/sec=1 cSt

* ASTM D-4683, CEC L-36-A-90(ASTM D-4741), or ASTM D-5481



API Classification of quality levels

1) Engine oils

API	Descriptions
SA	Base oil without additives, for use in cars before 1930
SB	SA + anti-corrosion and antioxidant materials for use in vehicles designed in 1963 and earlier
SC	SB + anti-corrosion and anti-wear materials + cleaners for use in cars designed in 1963 and earlier
SD	SC, has more additives for use in cars designed in 1971 and earlier
SE	SD, with more additives for use in cars designed in 1979 and earlier MIL-L-46152 A
SF	SE, with more antioxidant and anti-wear materials for use in vehicles designed in 1988 and earlier MIL-L-46152B, C
SG	SF, has more additives for use in cars designed in 1993 and earlier MIL-L-46152D, E
SH	SG, with quality approval from laboratory tests of volatility (Noack) and filterability According to the CMA - Code method for use in vehicles designed in 1996 and earlier
SJ	SH, with superior quality, for use in cars designed in 2001 and before
SL	SJ, with superior quality, for use in cars designed in 2004 and before
SM	SL, for use in cars designed in 2010 and earlier
SN	SN, for use in car engines designed 2011 and above



2) Diesel engine oils

API	Descriptions
CA	For use in 1945 design cars for normal conditions and low sulfur fuel
CB	For use in cars designed in 1949 and earlier. For normal conditions and high sulfur fuel
CC	For use in cars designed in 1961 and earlier. For non-supercharged and turbocharged diesel engines and gasoline engines that run in moderate to severe conditions. Complies with MIL-L 2104B standard
CD	For use in cars designed in 1955 and earlier. For diesel engines with supercharged and turbocharged systems with high sulfur fuel and gasoline engines that work in harsh conditions. In accordance with MIL-L 2104C, D
CD-II	Designed for use in two-stroke vehicles 1985 and earlier.
CE	For use in cars designed in 1985 and earlier. This oil is suitable for supercharged and turbocharged diesel engines that operate in low speed and high load conditions as well as high speed, high load conditions. Complies with MIL-L 2104E standard
CF-4	For use in high-speed vehicles designed in 1990 and earlier. Complies with MIL-L 2104F standard
CF	For use in cars designed in 1994 and earlier. This oil is suitable for supercharged and turbocharged diesel engines with high sulfur fuel (0.5%).
CF-2	Designed for use in two-stroke vehicles 1994 and earlier.
CG-4	For use in vehicles designed in 1995 and earlier that operate at high speeds.
CH-4	For use in cars designed in 1998 and earlier. This oil is suitable for supercharged and turbocharged diesel engines with high speed and high sulfur content (0.5%).
CI-4	For use in cars designed in 2004 and earlier. This oil is suitable for light, medium and heavy supercharged and turbocharged diesel engines with high speed and high sulfur content (0.5%).
CJ-4	For use in vehicles designed from 2010 onwards, this oil is designed for medium and heavy supercharged diesel engines with DPF system and fuel consumption with sulfur up to 500 ppm.
CK-4	Designed for use in 2017 or later design vehicles, with DPF system and fuel consumption with sulfur up to 500 ppm.
FA-4	Designed for use in vehicles designed for 2017 and later, with maximum sulfur fuel consumption of 15 ppm and in accordance with the emission control standard for passenger cars.

Passenger Cars Engine Oils

- **LUBRUN HEPTA**
- **LUBRUN HEXA**
- **LUBRUN SARIR II**
- **LUBRUN SARIR I**
- **LUBRUN SARIR**
- **LUBRUN SPEED II**
- **LUBRUN SPEED I**
- **LUBRUN SPEED**



Passenger Cars Engine Oils

Specification	Kinematic Viscosity cSt 100°C	Viscosity index	Flash Point °C	Pour Point °C	Density @ 15.6 °C kg/m ³	TBN mg KOH/g
Method	ASTM D - 445	ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052	ASTM D - 2896
LUBRUN HEPTA 5W-30	12	160	220	-40	858	8
LUBRUN HEPTA 10W-40	15.2	160	218	-33	868	8
LUBRUN HEPTA 15W-40	15.5	141	210	-27	880	8
Passenger cars engine oils according to API SN/CF, MB 229.3, ACEA A3/B4 Base on semi synthetic & full synthetic base oil.						
LUBRUN HEXA 5W30	12	160	220	-39	860	8
LUBRUN HEXA 10W40	15.4	158	220	-33	868	8
LUBRUN HEXA 15W40	15.5	140	210	-27	880	8
Passenger cars engine oils according to , API SM/CF, MB 229.3, ACEA A3/B4, Base on semi synthetic & full synthetic base oil.						



Passenger Cars Engine Oils

Specification	Kinematic Viscosity cSt 100°C	Viscosity index	Flash Point °C	Pour Point °C	Density @ 15.6 °C kg/m ³	TBN mg KOH/g
Method	ASTM D - 445	ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052	ASTM D - 2896
LUBRUN SARIR II 10W-40	15	160	210	-33	864	9
LUBRUN SARIR II 15W-40	15.5	140	214	-27	885	9
LUBRUN SARIR II 20W-50	19	120	210	-27	890	9
LUBRUN SARIR II 20W-50 **	20	158	240	-45	853	9
LUBRUN SARIR II 10W-40 **	15.4	170	220	-45	844	9
Passenger cars engine oils according to , API SL/CF, MB 229.3, ACEA A3/B3, Base on semi synthetic & full synthetic& mineral base oil.						
LUBRUN SARIR I 5W-40 **	15	168	210	-40	850	9
LUBRUN SARIR I SEMI SYNTETIC 10W-40 *	15	159	210	-30	875	9
LUBRUN SARIR I 15W-40	15.5	140	210	-27	880	9
LUBRUN SARIR I 20W-50	19	115	210	-24	890	9
Passenger cars engine oils according to , API SJ/CF- 4/CF, MB 229.1, ACEA A3/B3,						

*semi synthetic engine oils

** Full synthetic engine oils



Passenger Cars Engine Oils

Specification	Kinematic Viscosity cSt 100°C	Viscosity index	Flash Point °C	Pour Point °C	Density @ 15.6 °C kg/m ³	TBN mg KOH/g
Method	ASTM D - 445	ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052	ASTM D - 2896
LUBRUN SARIR 15W-40 *	15	128	210	-27	887	8/5
LUBRUN SARIR 20W-50	19	115	216	-24	890	8/5
Multi grade passenger cars engine oils according to , API SG/CD, ISIRI 3785						
LUBRUN SPEED II 10W-40 *	15	165	210	-30	890	6
LUBRUN SPEED II 20W-50	19	115	214	-24	893	6
Passenger cars engine oils according to , API SF/CC						
LUBRUN SPEED II 40	15	90	234	-12	892	6
LUBRUN SPEED II 30	12	95	224	-18	890	6
Mono grade passenger cars engine oils according to , API SF/CC						
LUBRUN SPEED I 10W-30 *	12	135	192	-30	875	5
LUBRUN SPEED I 15W-40	15	135	210	-27	880	5
LUBRUN SPEED I 20W-40	15	115	210	-24	885	5
LUBRUN SPEED I 20W-50	19	115	216	-24	890	5
Passenger cars engine oils according to , API SE/CC, MIL-L-46152A, ISIRI 1343						

*semi synthetic engine oils



Passenger Cars Engine Oils

Specification	Kinematic Viscosity cSt 100°C	Viscosity index	Flash Point °C	Pour Point °C	Density @ 15.6 °C kg/m ³	TBN mg KOH/g
Method	ASTM D - 445	ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052	ASTM D - 2896
LUBRUN SPEED 30	12	85	230	-18	892	4
LUBRUN SPEED 40	15	85	240	-12	903	4
LUBRUN SPEED 50	20	90	245	-12	905	4
Mono grade passenger cars engine/diesel oils according to, API SC/CC, ISIRI 585						

Engine Diesel Motor Oils

- **LUBRUN ULTIMA TURBO DIESEL**
- **LUBRUN ULTRA TURBO DIESEL**
- **LUBRUN TURBO E VI**
- **LUBRUN TURBO E III**
- **LUBRUN TURBO DIESEL**
- **LUBRUN DIESEL II**
- **LUBRUN DIESEL I**
- **LUBRUN DIESEL**
- **LUBRUN GENERATOR**
- **LUBRUN AGRICULTURE**



LUBRUN DIESEL MOTOR OILS

Specification	Kinematic Viscosity cSt 100°C	Viscosity index	Flash Point °C	Pour Point °C	Density @ 15.6 °C kg/m ³	TBN mg KOH/g
Method	ASTM D - 445	ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052	ASTM D - 2896
LUBRUN ULTIMA TURBO DIESEL 10W30	11.5	141	216	-33	870	11.5
LUBRUN ULTIMA TURBO DIESEL 10W40	14.5	150	218	-33	872	11.5
LUBRUN ULTIMA TURBO DIESEL 15W40	15	140	220	-33	875	11.5
Semi synthetic Multi grade diesel engine oils according to, API CK-4, MAN M 3575, ACEA E9, MAN M 3275, MB 228.31, VOLVO VDS4.5						
LUBRUN ULTRA TURBO DIESEL 10W40	15	150	216	-33	875	11.5
LUBRUN ULTRA TURBO DIESEL 15W40	15.5	140	220	-27	879	11.5
Semi synthetic Multi grade diesel engine oils according to, API CJ-4, MAN M 3575, ACEA E7/ E9, MAN M 3275, MB 228.31, VOLVO VDS- 4						
LUBRUN TURBO 10W40 E VI	15	152	218	-33	871	15
LUBRUN TURBO 15W40 E VI	15.5	142	220	-27	879	15
Semi synthetic Multi grade diesel engine oils according to, API CJ-4, MAN M 3477, ACEA E7/ E9/E6/E4, EURO VI, VOLVO VDS- 4						



LUBRUN DIESEL MOTOR OILS

Specification	Kinematic Viscosity cSt 100°C	Viscosity index	Flash Point °C	Pour Point °C	Density @ 15.6 °C kg/m ³	TBN mg KOH/g
Method	ASTM D - 445	ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052	ASTM D - 2896
LUBRUN TURBO 10W40 E III	15.2	150	210	-33	875	14,5
LUBRUN TURBO 15W40 E III	15.5	148	220	-27	879	14,5
Semi synthetic Multi grade diesel engine oils according to, API CI-4, MAN M 3277, ACEA E7, SCANIA LDF-3, VOLVO VDS-3						

LUBRUN SUPER TURBO DIESEL 10W40	15.2	145	210	-33	875	12
LUBRUN SUPER TURBO DIESEL 15W40	15.5	140	220	-27	879	12
Semi synthetic Multi grade diesel engine oils according to API CI-4, MAN M 3275, ACEA E7, VOLVO VDS-3						



LUBRUN DIESEL MOTOR OILS

Specification	Kinematic Viscosity cSt 100°C	Viscosity index	Flash Point °C	Pour Point °C	Density @ 15.6 °C kg/m ³	TBN mg KOH/g
Method	ASTM D - 445	ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052	ASTM D - 2896
LUBRUN TURBO DIESEL* 10W30	12	142	210	-30	880	11
LUBRUN TURBO DIESEL* 15W40	15	140	210	-27	885	11
LUBRUN TURBO DIESEL 20W50	19	125	220	-27	897	11
Semi synthetic Multi grade diesel engine oils according to, API CH-4/CG-4/SJ, MAN 3275, ACEA B3/E3, MB 228.3, VOLVO VDS-2						

LUBRUN TURBO I 15W40 *	15	140	210	-27	880	8.5
LUBRUN TURBO I 20W50	19	120	214	-27	890	8.5
LUBRUN TURBO I 30	12	95	220	-18	885	10
LUBRUN TURBO I 40	15	90	230	-12	890	10
LUBRUN TURBO I 15W40 according to, Euro II, API CF-4/SF, MB 228.1, MIL-L-2104E						

*semi synthetic engine oils



LUBRUN DIESEL MOTOR OILS

Specification	Kinematic Viscosity cSt 100°C	Viscosity index	Flash Point °C	Pour Point °C	Density @ 15.6 °C kg/m ³	TBN mg KOH/g
Method	ASTM D - 445	ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052	ASTM D - 2896
LUBRUN DIESEL II 10W	6	104	204	-30	882	10
LUBRUN DIESEL II 20W50	19	115	216	-27	894	10
LUBRUN DIESEL II 30	12	95	225	-18	892	10
LUBRUN DIESEL II 40	15	95	234	-15	896	10
LUBRUN DIESEL II according to, API CD/SE, MIL – L -2104D						
LUBRUN DIESEL I 30	12	95	225	-18	890	8
LUBRUN DIESEL I 40	15	90	234	-12	900	8
LUBRUN DIESEL I according to, API CD						

LUBRUN DIESEL 30	12	95	225	-18	890	6
LUBRUN DIESEL 40	15	90	230	-12	900	6
LUBRUN DIESEL 50	19	90	240	-12	905	6
LUBRUN DIESEL according to, API CC						
Specification	Kinematic Viscosity cSt 100°C	Viscosity index	Flash Point °C	Pour Point °C	Density @ 15.6 °C kg/m ³	TBN mg KOH/g
Method	ASTM D - 445	ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052	ASTM D - 2896
LUBRUN GENERATOR 30	12	95	225	-18	890	11
LUBRUN GENERATOR 40	15	90	234	-12	900	11
LUBRUN GENERATOR 50	19	90	240	-12	905	11
LUBRUN GENERATOR according to, API CD/SE, MIL – L -2104D						



Specification	Kinematic Viscosity cSt 100°C	Viscosity index	Flash Point °C	Pour Point °C	Density @ 15.6 °C kg/m ³	TBN mg KOH/g
Method	ASTM D - 445	ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052	ASTM D - 2896
LUBRUN AGRICULTURE 30	12	95	225	-18	890	8
LUBRUN AGRICULTURE 40	15	90	230	-12	900	8
LUBRUN AGRICULTURE 15W40	15	125	210	-27	885	9
LUBRUN AGRICULTURE according to, API CD & GL-4 & MASSY FERGUSSEN M 1139 Specially use for agriculture machines and tractors .						



CNG ENGINE OILS

- **LUBRUN VEHICLE MEDIUM ASH**
- **LUBRUN STATIONERY LOW ASH**
- **LUBRUN CNG-III**
- **LUBRUN CNG-II**
- **LUBRUN CNG-I**



CNG ENGINE OILS

Specification	Kinematic Viscosity cSt 100°C	Viscosity index	Flash Point °C	Pour Point °C	Density @ 15.6 °C kg/m ³	SULFATE ASH %WT
Method	ASTM D - 445	ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052	ASTM D - 542
LUBRUN CNG VEM 40	15	95	248	-15	895	0.8
LUBRUN CNG VEM 15W40	15.3	140	216	-27	879	0.8
LUBRUN CNG VEM 20W50	19	122	220	-27	894	0.8
USE for GENERATOR GAS ENGINES mineral & semi-synthetic oils for buses and gas trucks with hard conditions and medium sulfated ash						
LUBRUN CNG STL 40	15.5	97	248	-15	895	0.5
LUBRUN CNG STL 15W40	15.5	140	216	-27	880	0.5
LUBRUN CNG STL 20W50	19.2	122	220	-27	895	0.5
USE for GENERATOR GAS ENGINES mineral & semi-synthetic oils for engines of stationary generators of factories and power plants of oil and gas and steel, cement, etc. with hard conditions and low sulfated ash						



CNG ENGINE OILS

Specification	Kinematic Viscosity cSt 100°C	Viscosity index	Flash Point °C	Pour Point °C	Density @ 15.6 °C kg/m ³	SULFATE ASH %WT
Method	ASTM D - 445	ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052	ASTM D - 542
LUBRUN CNG III 20W50	19	124	220	-27	886	0.8
Multi-grade engine oil for gas engines (dual fuel) riding with medium sulfated ash according to API SN standard.						

LUBRUN CNG II 20W50	18.5	120	210	-27	878	1
Multi-grade engine oil for gas engines (dual fuel) with high sulfated ash (High Ash) according to API SG / CD standard.						

LUBRUN CNG II 40	14.5	95	236	-12	886	1.2
These oils are designed for use in buses and heavy gas vehicles. In accordance with the standards API CD						

LUBRUN CNG I 20W50	18.5	120	210	-27	878	1.2
Multi-grade engine oil for gas engines (dual fuel) with high sulfated ash (High Ash) according to API SF/CC standard						

LUBRUN GEAR OILS

- **LUBRUN VASKAZIN**
- **LUBRUN VASKAZIN SPECIAL**
- **LUBRUN AUTOMATIC ATF**
- **LUBRUN AUTOMATIC CVT**
- **LUBRUN AUTOMATIC MV**
- **LUBRUN AUTOMATIC MVLV**
- **LUBRUN AUTOMATIC IV**



LUBRUN GEAR OILS (NON AUTOMATIC)

Specification	Kinematic Viscosity cSt 100°C	Viscosity index	Flash Point °C	Pour Point °C	Density @ 15.6 °C kg/m ³
Method	ASTM D - 445	ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN VASKAZIN 75W	5.5	100	198	-33	870
LUBRUN VASKAZIN 75W80	9	150	180	-33	875
LUBRUN VASKAZIN 75W90	15	170	200	-33	880
LUBRUN VASKAZIN 80W	9.5	100	220	-30	890
LUBRUN VASKAZIN 80W90	15	115	210	-30	900
LUBRUN VASKAZIN 85W90	17	85	216	-18	902
LUBRUN VASKAZIN 85W140	25	92	240	-15	905
Lubrun Vaskazin gear oils used in many (non-automatic) gearboxes of cars, tractors, etc. in accordance with API GL-4 standard and Iranian national standard 2873 ISIRI					
LUBRUN VASKAZIN V 75W	5.5	115	210	-33	870
LUBRUN VASKAZIN V80W	9.5	100	220	-30	890
LUBRUN VASKAZIN V 75W90	15.7	170	200	-33	880
LUBRUN VASKAZIN V 80W90	15	115	210	-30	898
LUBRUN VASKAZIN V 85W90	17	92	216	-18	899
LUBRUN VASKAZIN V 85W140	25	94	240	-15	906
Lubrun vascazin gear oils are especially recommended for use in hypoid gears, inclined helical gears, gearboxes and differential types. In accordance with API GL-5 standard, MIL-L 2105D and Iranian national standard 2810 ISIRI					



LUBRUN GEAR OILS (AUTOMATIC)

Specification	Kinematic Viscosity cSt 100°C	Viscosity index	Flash Point °C	Pour Point °C	Density @ 15.6 °C kg/m ³
Method	ASTM D - 445	ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN AUTOMATIC ATF I	7	110	170	-27	870
LUBRUN AUTOMATIC ATF II	7.7	170	200	-39	868
LUBRUN AUTOMATIC ATF III	8.5	190	200	-39	870
<p>Automatic gear oils for use in automatic gearboxes and hydraulic steering boxes of all types of vehicles and hydraulic systems of many industrial devices.</p> <p>LUBRUN AUTOMATIC ATF I oils are produced in accordance with GM Suffix A standard.</p> <p>LUBRUN AUTOMATIC ATF II oils are produced in accordance with GM Dexron IID, Ford Mercon</p> <p>LUBRUN AUTOMATIC ATF III in accordance with GM Dexron IIIG semi-synthetic and high quality VTF TC automatic gearboxes.</p>					



LUBRUN GEAR OILS (AUTOMATIC)

Specification	COLOR	Kinematic Viscosity cSt 100°C	Viscosity index	Flash Point °C	Pour Point °C	Density @ 15.6 °C kg/m ³
Method		ASTM D - 445	ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN ATF-CVT	Transparent Green	7.2	180	210	-48	850
All-synthetic and high quality transmission fluid for CVT continuous gearboxes, JASO M315 Type 1A Hyundai Genuiue CVTF, Nissan NS-3, kia SP-III, Toyota CVTF TC						
LUBRUN ATF-MV	Transparent Red	7.7	175	210	-45	850
All-synthetic and high quality transmission fluid for 4 and 5 speed gearboxes and hydraulic steering boxes of European, American, Japanese and Korean cars. GM DEXRON II E/ III H, ALLISON C-4 Hyundai- kiya SP-II/ SP-II, MAN 339-A Toyota Type D-II/ T/ T-II/ T-IV, JASO M315 Type 1A ATF- MV: ATF Multi Vehicle						
LUBRUN ATF-MVLV	Transparent Red	5.7	160	205	-40	845
Fully synthetic and high quality transmission fluid for 6-speed automatic transmissions and hydraulic steering boxes for light and heavy vehicles. GM AW-1, JASO M315 Type 1A- LV Hyundai- Kia Sp-IV/ SpH- IV Toyota WS, MB236.14/236.41						
LUBRUN ATF-VI	Transparent Red	6.2	155	192	-45	848
All-synthetic and high-quality transmission fluid for 6-speed automatic transmissions, design model 2006 and above, and all types of petrol and diesel light vehicles, GM Dexron VI						

INDUSTRIAL OILS

- **LUBRUN INDUSTRIAL GEAR OILS**
- **LUBRUN TURBINE OILS**
- **LUBRUN CIRCULATING & HYDRAULIC OILS**
- **LUBRUN COMPRESSOR OILS**
- **LUBRUN TRANSFERMOTOR OILS**
- **LUBRUN MACHINE TOOLS OILS**
- **LUBRUN METAL WORKING OILS**
- **LUBRUN TEXTURE OILS**
- **LUBRUN CONTINUES CASTING MACHINE
(MOULD) OILS**
- **LUBRUN HEAT TRANSFER OILS**
- **LUBRUN COVER PARTS ILS**
- **LUBRUN HEAT OPERATION OILS**
- **LUBRUN GENERAL CONSUMPTION OILS**



INDUSTRAIL GEAR OILS

Specification	Kinematic Viscosity cSt		Viscosity index	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
	C°40	C°100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN SETABR 68	68	8.5	96	210	-24	880
LUBRUN SETABR 100	100	11	95	220	-21	885
LUBRUN SETABR 150	150	14.5	95	235	-18	890
LUBRUN SETABR 220	220	19	95	240	-15	895
LUBRUN SETABR 320	320	24	95	246	-12	900
LUBRUN SETABR 460	460	30	95	246	-12	902
LUBRUN SETABR 680	680	42	95	250	-9	905
LUBRUN SETABR 1000	1000	55	100	250	-9	907
Oils for industrial gears with exterm pressure properties (EP) According to standard: DIN 51517 Part 3(CLP), U.S Steel 224 ISIRI 2974 AGMA 9005 EO2						



INDUSTRAIL GEAR OILS

Specification	Kinematic Viscosity cSt		Viscosity index	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
	C°40	C°100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN SETABR PAG 68	68	12	190	200	-39	990
LUBRUN SETABR PAG 100	100	18	200	215	-39	992
LUBRUN SETABR PAG 150	150	25	210	250	-39	995
LUBRUN SETABR PAG 220	220	35	215	265	-36	999
LUBRUN SETABR PAG 320	320	50	220	269	-36	1000
LUBRUN SETABR PAG 460	460	69	225	270	-33	1050
Synthetic-based gear oils (PAG) with longevity and performance and excellent lubrication properties in spiral and helical gearboxes and simple under industrial pressure, with a temperature range of -30 to +150 ° C						



INDUSTRAIL GEAR OILS

Specification	Kinematic Viscosity cSt		Viscosity index	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
	C°40	C°100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN SETABR PS 150	150	21	160	230	-46	845
LUBRUN SETABR PS 220	220	28	160	240	-43	850
LUBRUN SETABR PS 320	320	36	160	242	-30	855
LUBRUN SETABR PS 460	460	48	160	246	-30	860
LUBRUN SETABR PS 680	680	68	160	250	-24	865
LUBRUN SETABR PS 1000	1000	85	160	253	-24	869
Synthetic-based gear oils (PAO) with long life and performance in a very wide temperature range from -30 to 120 ° C, with(EP) pressure reduction properties, excellent oxidation stability and compatibility with mineral oils, for use in turbine gearboxes Wind, steel industry machines, etc. In accordance with the standard, AGMA 9005 EO2, DIN 51517 Part 3 (CLP), U.S Steel 224 National Standard of Iran 2974 ISIRI						

TURBINE OILS

Specification	Kinematic Viscosity cSt		Viscosity index	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
	C°40	C°100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN TURBINE 32	32	5.5	102	215	-9	865
LUBRUN TURBINE 46	46	6.8	100	225	-9	870
LUBRUN TURBINE 68	68	8.7	100	240	-9	875
Oils for all types of water, steam, gas turbines as well as turbochargers. This product is produced using high quality mineral base oil and special additives. General Electric GEK-32568C DIN51515 Part 1/2 BS 489: 1999, Alstom HTGT 90117, Siemens TLV 901304						



CIRCULATING & HYDRAULIC OILS

Specification	Kinematic Viscosity cSt		Viscosity index	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
	C°40	C°100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN CERCULATE 32	32	5.5	105	200	-30	870
LUBRUN CERCULATE 46	46	7	100	210	-27	875
LUBRUN CERCULATE 68	68	9	100	220	-24	880
LUBRUN CERCULATE 100	100	11	100	240	-21	882
LUBRUN CERCULATE 150	150	14.5	97	245	-18	885
LUBRUN CERCULATE 220	220	18.5	96	255	-12	890
LUBRUN CERCULATE 320	320	24	95	260	-12	895
LUBRUN CERCULATE 460	460	30	95	270	-12	900
Oil DIN 51524 Part 1 (HL) used in circulating and hydraulic systems, simple bearings, electric pump motors and sprockets with antirust and antioxidant additive (R&O).						



CIRCULATING & HYDRAULIC OILS

Specification	Kinematic Viscosity cSt		Viscosity index	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
	C°40	C°100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN HYDRAULIC HLP 22	22	4	115	200	-30	850
LUBRUN HYDRAULIC HLP 32	32	5.5	105	210	-30	870
LUBRUN HYDRAULIC HLP 46	46	6.7	105	215	-27	875
LUBRUN HYDRAULIC HLP 68	68	8.6	100	225	-24	880
LUBRUN HYDRAULIC HLP 100	100	11	100	245	-21	885
LUBRUN HYDRAULIC HLP 150	150	14.5	97	250	-18	890
LUBRUN HYDRAULIC HLP 220	220	18.5	95	260	-12	895
LUBRUN HYDRAULIC HLP 320	320	24	93	265	-9	900
These oils are produced at the quality level of Denison HF-0, HF-2 DIN 51524 part 2 (HLP). <ul style="list-style-type: none"> • Optimal anti-wear properties • Excellent filtering capability • De emulsion of water (very high) • Air release from oil (Air release) and without foaming 						



CIRCULATING & HYDRAULIC OILS

Specification	Kinematic Viscosity cSt		Viscosity index	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m ³
	C°40	C°100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN HYDRAULIC ED 46	46	6.8	100	210	-27	875
LUBRUN HYDRAULIC ED 68	68	9	100	225	-27	880
This oil has excellent water separation properties (ED) and is similar to HLP hydraulic lubrun. Has DIN 51524 quality level part 2						

ZF HYDRAULIC OILS

Specification	Kinematic Viscosity cSt		Viscosity index	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m ³
	C°40	C°100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN HYDRAULIC ZF 32	32	5.5	105	200	-30	870
LUBRUN HYDRAULIC ZF 46	46	7	100	210	-27	875
LUBRUN HYDRAULIC ZF 68	68	8.5	100	225	-24	880
LUBRUN HYDRAULIC ZF 100	100	11	100	230	-21	885
LUBRUN HYDRAULIC ZF 150	150	14.5	95	250	-18	890
Zinc Free Hydraulic Lubran Oils (Zinc Free) suitable for use in hydraulic devices whose components have soft and colored alloys (such as silver, brass, bronze, etc.) According to DIN 51524 part 2 (HLP), Denison HF-0.						



SHOCK ABSORBER OILS

Specification	Kinematic Viscosity cSt		Viscosity index	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
	°C40	°C100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN SHA II	22	-	75	170	-48	875
LUBRUN SHA I	15	-	70	150	-48	865
Lubrun SHA I oil is designed for use in the shock absorbers of light and heavy vehicles with special base oil.						
Lubran SHA II oil is designed for use in shock absorbers of light and heavy vehicles with naphthenic base oil.						

T HYDRAULIC OILS

Specification	Kinematic Viscosity cSt		Viscosity index	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
	°C40	°C100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN HYDRAULIC T 22	22	4.8	150	180	-30	860
LUBRUN HYDRAULIC T 32	32	6.2	150	200	-30	865
LUBRUN HYDRAULIC T 46	46	8.1	150	210	-30	875
LUBRUN HYDRAULIC T 68	68	11	150	215	-30	880
LUBRUN HYDRAULIC T 100	100	14.5	150	220	-30	885
Hydraulic Lubrun T has light mineral base oil with high viscosity index (low viscosity changes compared to temperature changes).						
According to: (HVLP) DIN 51524 part 3 Denison HF-0						



TX HYDRAULIC OILS

Specification	Kinematic Viscosity cSt		Viscosity index	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
	°40	°100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN HYDRAULIC TX 32	32	7.5	190	160	-40	869
LUBRUN HYDRAULIC TX 46	46	9	164	200	-30	862
Lubrun hydraulic TX has Group III base oil with very high viscosity index. According to: Denison HF-0, DIN 51524 III (HVLP).						

HFC HYDRAULIC OILS

Specification	Kinematic Viscosity cSt		Viscosity index	pH %100 VOL	Pour Point °c	Density @ 15.6 °c kg/m3
	°40	°100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 1287	ASTM D - 97	ASTM D - 4052
LUBRUN HYDRAULIC HFC 32	46	-	195	9.1	-36	1070
HFC hydraulic lubricant is a fire-resistant and water-based glycol-based synthetic hydraulic fluid for use in hydraulic systems of the foundry industry and devices related to molten metals and flammable materials.						



HFDU HYDRAULIC OILS

Specification	Kinematic Viscosity cSt		Viscosity index	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
	C°40	C°100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN HYDRAULIC HFDU 46	46	9.2	195	266	-30	915
LUBRUN HYDRAULIC HFDU 68	68	12.6	180	280	-30	918
HFDU hydraulic lubricant Full-synthetic fire-resistant hydraulic fluid with ester base is recommended for use in the hydraulic systems of the foundry industry and devices related to molten metals and flammable materials.						

AIR COMPRESSOR OILS

Specification	Kinematic Viscosity cSt		Viscosity index	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
	C°40	C°100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN COMPRESSOR VDL 32	32	5.4	102	210	-9	865
LUBRUN COMPRESSOR VDL 46	46	6.8	101	216	-9	872
LUBRUN COMPRESSOR VDL 68	68	8.5	100	230	-9	875
LUBRUN COMPRESSOR VDL 100	100	11	95	240	-9	880
LUBRUN COMPRESSOR VDL 150	150	14.5	95	250	-9	890
According to: DIN 51506-VDL						



AIR COMPRESSOR OILS (screw, piston, rotary)

Specification	Kinematic Viscosity cSt		Viscosity index	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
	C°40	C°100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN COMPRESSOR PS 22	22	5	140	215	-50	830
LUBRUN COMPRESSOR PS 32	32	6	140	230	-50	840
LUBRUN COMPRESSOR PS 46	46	7.6	140	250	-45	845
LUBRUN COMPRESSOR PS 68	68	10.6	140	260	-40	850
LUBRUN COMPRESSOR PS 100	100	14	140	265	-40	852
LUBRUN COMPRESSOR PS 150	150	19	140	270	-38	855

Lubrun compressor PS oils with synthetic base (PAO) are recommended for use in screw, rotary, piston compressors with harsh conditions and high temperature.

According to DIN 51506-VDL

Specification	Kinematic Viscosity cSt		Viscosity index	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
	C°40	C°100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN COMPRESSOR SSR ULTRA COOLANT	47	7.9	140	268	-50	0.835

*according to Ingersoll Rand/ Synthetic base oil (special formulated)

LUBRUN COMPRESSOR ROTO INJECT FLUID GA/GX	55	7.8	106	210	-33	0.87
LUBRUN COMPRESSOR ROTO Z FLUID	68	10	133	240	-30	0.865

*according to Atlas COPCO/ Ultimate (group III)



COOL COMPRESSOR OILS

Specification	Kinematic Viscosity cSt		Break down voltage	Floc Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
	C°40	C°100				
Method	ASTM D - 445		IEC- 156	DIN 51351	ASTM D - 97	ASTM D - 4052
LUBRUN COOL COMPRESSOR 32	32	4	40	-42	-36	900
LUBRUN COOL COMPRESSOR 46	46	5	40	-40	-34	900
LUBRUN COOL COMPRESSOR 68	68	7	40	-36	-32	905
LUBRUN COOL COMPRESSOR 100	100	9	40	-30	-27	910
Special oil for low temperature ammonia cooling compressors with naphthenic base.						
LUBRUN COMPRESSOR SAB 22	22	4	40	-42	-40	880
LUBRUN COMPRESSOR SAB 32	32	5	40	-42	-40	881
LUBRUN COMPRESSOR SAB 46	46	6	40	-42	-38	882
LUBRUN COMPRESSOR SAB 68	68	7	40	-42	-36	884
Special oil for low temperatures of refrigerant and ammonia cooling compressors with synthetic base.						



TRANS OILS

Specification	Kinematic Viscosity cSt C°40	Break down voltage	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
Method	ASTM D - 445	IEC- 156	ASTM D-92	ASTM D - 97	ASTM D - 4052
LUBRUN TRANS III	8.9	60	150	-45	835
<p>Lubrun Trans III is synthetic base oil with the highest purity and without additives and has no PCB. This oil, while having a good viscosity and low pour point, has a low power factor and high breakdown voltage.</p> <p>This oil has the following quality levels:</p> <p>1- IEC60 296(2012)</p> <p>2- BS 148: 2009</p> <p>3- ASTM D-3487 Type(I)</p> <p>4 -ISIRI 2661</p> <p>Poly Chlorinated Biphenyl</p>					
Specification	Kinematic Viscosity cSt C°40	Break down voltage	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
Method	ASTM D - 445	IEC- 156	ASTM D-92	ASTM D - 97	ASTM D - 4052
LUBRUN TRANS II	9.2	55	140	-48	882
<p>Lubrun Trans II is transformer oil that is prepared with naphthenic mineral base in the highest purity and without additives. Lubrun Trans II is produced without PCB chemical. This oil, while having a good viscosity and low pour point, has a low power factor and high breakdown voltage.</p> <p>This oil has the following quality levels:</p> <p>1- IEC60 296(2012)</p> <p>2- BS 148: 2009</p> <p>3- ASTM D-3487 Type(I)</p> <p>4 -ISIRI 2661</p> <p>Poly Chlorinated Biphenyl</p>					



Metal Working oils (Water emulsion)

Specification	Kinematic Viscosity cSt C°20	pH %5 VOL	Emulsion color	Method Emulsion corrosion %5
Method	ASTM D - 4052	ASTM D-1287	VISUAL	IP-287
LUBRUN FEREZ M	889	9.2	Milky white	Acceptable and without stains
LUBRUN FEREZ SYN	889	9.3	Milky white	Stable emulsion and without stains
LUBRUN FEREZ S-PLUS	900	9.3	Milky white	Stable emulsion and without stains
LUBRUN FEREZ AL	900	9.2	Milky white	Stable emulsion and without stains
<p>LUBRUN FEREZ M: For general metal working with mineral base</p> <p>LUBRUN FEREZ SYN: For special metal working and milling with synthetic base and excellent stable emulsion</p> <p>LUBRUN FEREZ S-PLUS: For special metal working and milling with synthetic base and long life and resistant to microbial spoilage (microorganisms)</p> <p>LUBRUN FEREZ AL: : For special metal working and milling with synthetic base and long life and resistant to microbial spoilage (microorganisms) and fumigation, especially aluminum and non-ferrous metals</p> <p>Note: Mixing rate with water 3 to 5%.</p>				



Metal Working Transparent oils (Water emulsion)

Specification	Kinematic Viscosity cSt C°20	pH %5 VOL	Emulsion color	Method Emulsion corrosion %5
Method	ASTM D - 4052	ASTM D-1287	VISUAL	IP-287
LUBRUN ULTRA GRIND TPS1	1005	9.2	Transparent Phosphorus yellow	Without corrosion and Rusty
LUBRUN ULTRA GRIND TPS2	1010	10	Transparent yellow	Without corrosion and Rusty
<p>When mixed with water, it forms a clear micro-emulsion and has excellent resistance against microbial spoilage, rust and corrosion.</p> <p>These products have a very long life</p> <p>Note: Mixing rate with water 3 to 5%.</p>				



Cutting oils

Specification	Kinematic Viscosity cSt C°40	Density @ 15.6 °c kg/m3	Flash Point °c	Corrosion method			
				Inactive sulfur	active sulfur	Chlorine Compounds	Fatty oil
Method	ASTM D - 445	ASTM D - 4052	ASTM D-92				
LUBRUN ABZAR 20	20	870	195	+	+	-	+
In cases where the surface is very smooth and polished. Not recommended for soft and non-ferrous metals (such as copper and brass).							
LUBRUN ABZAR 24	24	864	190	-	-	+	-
Special oils for machining non-ferrous metals (such as copper and brass) and ferrous and non-ferrous metals.							
LUBRUN ABZAR 25	25	865	210	-	-	+	+
Special oil for machining soft and non-ferrous metals (such as copper and brass) and ferrous metals if the surface is very smooth and polished.							
LUBRUN ABZAR 32	32	885	195	+	-	+	-
Machining oil for ferrous metals, except aluminum, without staining on yellow metals.							
LUBRUN ABZAR 34	34	884	190	-	+	+	+
In cases where the surface is very smooth and polished. Not recommended for soft and non-ferrous metals (such as copper and brass).							
LUBRUN ABZAR 36	36	888	210	+	+	+	-
For steel alloys, this oil is not recommended for soft and non-ferrous alloys (such as copper and brass).							
LUBRUN ABZAR 39	39	883	210	-	-	+	+
Non-staining oils for use in machining ferrous and non-ferrous metals							



Machine tools oils

Specification	Kinematic Viscosity cSt		Viscosity index	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
	C°40	C°100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN POTK K 32	32	-	120	200	-30	870
LUBRUN POTK K 46	46	-	108	210	-30	875
LUBRUN POTK K 68	68	-	105	220	-27	885
LUBRUN POTK K 150	150	-	100	230	-24	890
LUBRUN POTK K 220	220	-	98	250	-15	895
LUBRUN POTK K, three-purpose oil for machine tools (sliding, gear and hydraulic) according to quality levels: Cincinnati Milacron P50 , P53 , DIN 51524 Part 2 (CLP) , US - Steel 224						

LUBRUN POTK 46	46	-	100	210	-12	874
LUBRUN POTK 68	68	-	100	225	-12	875
LUBRUN POTK 150	150	-	95	235	-12	885
LUBRUN POTK 220	220	-	95	250	-12	888
Special oil for moving parts (spindles of textile machines) with high speed according to the quality level (CLP) DIN 51524 Part 2.						



Texture oils

Specification	Kinematic Viscosity cSt		Viscosity index	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
	C°40	C°100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN TEXTURE 22	22	-	100	190	-9	855
LUBRUN TEXTURE 32	32	-	100	200	-9	860
High quality oil with anti-wear properties for lubricating the needles of circular knitting machines with the ability to wash with water (emulsion in soft water), without staining on synthetic fabrics.						
LUBRUN SPINDEL 10	10	2.7	70	145	-30	850
LUBRUN SPINDEL 22	22	4.5	100	190	-30	855
LUBRUN SPINDEL 32	32	5.5	100	200	-30	860
Hydraulic oil for knitting needles and compatible with systems with silver and bronze metals and for lubrication of textile machines with high speeds and wasted system of machine tools, with DIN 51524 Part 1 (HL) quality level						

Continues Casting Machine (MOULD) oils

Specification	Kinematic Viscosity cSt		Viscosity index	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
	C°40	C°100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
**LUBRUN MOULD COS 50	30-40	7.5-8.5	>200	330	-18	902
*LUBRUN MOULD RPS 50	32	8	200	320	-15	901
** Steel industry continuous casting oil (CCM) is produced with ester bases						
* Casting oil for steel industries is produced with vegetable base (Rapeseed oil).						



Heat Transfer oils

Specification	Kinematic Viscosity cSt		Viscosity index	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
	C°40	C°100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN LUB THERM	32	5.5	104	216	-9	865

This product is designed for use in heat transfer systems (hot oil). The use of this oil is allowed up to a maximum temperature of 320 ° C in closed systems.

System Wash oils

Specification	Kinematic Viscosity cSt		Viscosity index	Flash Point °c	Pour Point °c	Density @ 15.6 °c kg/m3
	C°40	C°100				
Method	ASTM D - 445		ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 4052
LUBRUN LUB CLEAN	32	5	100	200	-21	870

This product is designed for washing heat transfer systems and any other industrial device white anti-rust and anti-corrosion properties..

The use of clean lubrun oil after installation and before initial commissioning as flushing oil (FLUSHING OIL) when changing the oil is recommended.



Parts protection Oils

Specification	Kinematic Viscosity cSt C°15.6	COLOR	Congeaing C°point	Saponification Number
Method	ASTM D - 4052	VISUAL	ASTM D- 938	ASTM D- 94
LUB GUARD 324	880	Semi solid brown	64	4.5
LUB GUARD 326	900	Solid brown black	57	5
LUB GUARD It is used as a semi-solid and as a protection of parts against rust and corrosion during the manufacturing process in the form of hot immersion (Hot dip) and melt.				

Specification	Kinematic Viscosity cSt 100°C	Viscosity index	Flash Point °C	Pour Point °C	Density @ 15.6 °C kg/m3
Method	ASTM D - 445	ASTM D - 2270	ASTM D – 92	ASTM D - 97	ASTM D - 4052
LUB GUARD 337	5	100	200	-9	870
LUB GUARD 339	14	95	215	-9	890
LUB GUARD 623	12	95	250	-9	895
LUB GUARD oils are used to prevent corrosion and rust on the parts inner surfaces of gasoline and diesel engines during storage.					
Specification	Kinematic Viscosity cSt 40°C	Viscosity index	Flash Point °C	Pour Point °C	Density @ 15.6 °C kg/m3
Method	ASTM D - 445	ASTM D - 2270	ASTM D – 92	ASTM D - 97	ASTM D - 4052
LUB GUARD 391	5.4	-	85	-	835
LUB GUARD 392	2.2	-	50	-	810
These solvent-based oils are used to prevent corrosion and rust on the parts inner surfaces of gasoline and diesel engines during storage.					



Heat treatment oils

Specification	Kinematic Viscosity cSt c°40	Viscosity index	Flash Point c°	Pour Point c°	TBN mg KOH/g
Method	ASTM D - 445	ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 2896
COLD QUENCH 32	32	100	210	-6	1.5
COLD QUENCH 110	110	95	240	-6	2
These oils are used as cold heat treatment oils (Cold Quenching Oil).					
HOT QUENCH 110	110	95	240	-6	10
HOT QUENCH 115	115	96	250	-6	20
These oils are used for heat treatment of metals (Mar quenching Oils) and general heat treatment. HOT QUENCH 110,115 is designed for very hard conditions.					

General Consumption Oils and General Hydraulic Oils

Specification	Kinematic Viscosity cSt c°40	Viscosity index	Flash Point c°	Pour Point c°	TBN mg KOH/g
Method	ASTM D - 445	ASTM D - 2270	ASTM D - 92	ASTM D - 97	ASTM D - 2896
LUBRUN SPECIAL 10	35	100	195	-6	875
LUBRUN SPECIAL V10	35	100	195	-30	880
These oils are used as simple hydraulic oils to lubricate simple forklifts (jacks) and axles.					
LUBRUN GENERAL	32	105	210	-30	870
Lubrun General is produced for home use with anti-oxidant and anti-corrosion properties for general lubrication such as sewing machines, bicycles, door and window hinges, power tools, etc.					

Complementary products

- **LUBRUN GREEN (Gasoline supplement)**
- **LUBRUN Cleaner Engine**
- **LUBRUN Gasoline Antifreeze**
- **LUBRUN GLA (metal working bioside)**



Complementary products

Specification	Kinematic Viscosity cSt C°15.6	Kinematic Viscosity cSt C°40
Method	ASTM D - 4052	ASTM D - 445
LUBRUN GREEN	820	2
Lubrun Green: Gasoline Fuel Supplement has Fueling System Cleaning Properties (Carburetor and Injector) and Combustion Chamber and Helps to Reduce Smoke and Noxious Particulates in Exhaust Smoke from Vehicles.		

Specification	COLOR	Refractive index	TAN
Method	VISUAL	ASTM D - 1218	ASTM D - 664
LUBRUN CLEANER ENGINE	MILKY	1.45	0.5
Industrial detergent used in washing the exterior of car engines and industrial devices.			



Specification			COLOR		Pour Point °c
Method			VISUAL		ASTM D - 97
LUBRUN GASOLINE ANTI FREEZE			Transparent		-30
Diesel antifreeze is a fuel additive for diesel vehicles and diesel tanks to protect the diesel from freezing.					
Lubrun gasoline antifreeze Consumption for 200 lit tank.					
-12°c 1/6 lit	-15°c 1/3 lit	-18°c 1/2 lit	-21°c 2/3 lit	-24°c 5/6 lit	-27°c One liter container

Specification	Density @ 15.6 °C kg/m ³	COLOR	Freezing point °C	pH Pure solution
Method	ASTM D - 4052	VISUAL	ASTM D - 1448	ASTM D - 1287
LUB BIOSIDE	1010	Transparent	-12	10
This fluid is a supplement to the soluble oils of lubrun, freze which is used to prevent the growth of fungi and bacteria during machining operations and to prolong its life and to prevent the formation of unpleasant odors in the emulsified oil (soap water). Add this fluid to the emulsion of Lubrun milling oils at the beginning of using soapy water and once every two weeks, in a volume ratio of one to one thousand (one liter of BIOSIDE LUB per thousand liters of soapy water).				



Tire Oils and Paraffin Wax

- **Lubrun Tire 245, 290 & 840**
- **Lubrun Paraffin Wax 39**
- **Lubrun Paraffin Wax 67**
- **Lubrun Paraffin Wax 76**



Oils for the tire industry

Specification	Kinematic Viscosity cSt c°100	Aniline point c°	Flash Point c°	Density @ 15.6 °c kg/m³	VGC Viscosity factor and density ratio
Method	ASTM D - 445	ASTM D - 611	ASTM D - 92	ASTM D - 4052	ASTM D - 2501
LUBRUN TIRE 245	9	26	200	1003	0.96
LUBRUN TIRE 290	24	30	235	1012	0.97
Process oil with aromatic base, especially for rubber, belt and car manufacturing industries, etc.					
Specification	Kinematic Viscosity cSt c°40	Aniline point c°	Flash Point c°	Density @ 15.6 °c kg/m³	VGC Viscosity factor and density ratio
Method	ASTM D - 445	ASTM D - 611	ASTM D - 92	ASTM D - 4052	ASTM D - 2501
LUBRUN TIRE 840	40	84	200	905	0.85
Process oil with paraffin base, especially for rubber manufacturing industries, rubber parts, etc.					

Paraffin Wax

Specification	Kinematic Viscosity cSt c°100	Closing point c°	Max oil (%wt)	COLOR
Method	ASTM D - 445	ASTM D - 611	ASTM D - 721	VISUAL
LUBRUN PARAFFIN WAX 2-39	4	58	2	Transparent
LUBRUN PARAFFIN WAX 2-67	5.5	63	2	Transparent
LUBRUN PARAFFIN WAX 5-67	5.3	61	5	Transparent
LUBRUN PARAFFIN WAX 2-76	7	68	2	Transparent
LUBRUN PARAFFIN WAX 5-76	7	68	5	Transparent
Different types of paraffin wax lubricants have many applications in candle making, match making, carton making, paper and wood and military industries.				

COOLING FLUIDS

(Antifreeze, antiboil & antirust)

- **LUBRUN ANTIFREEZE**
- **LUBRUN ANTIFREEZE DIESEL**
- **LUBRUN ANTIFREEZE ORGANIC**
- **LUBRUN RADIATOR**
- **LUBRUN POWER PLANT ANTIFREEZE**



Antifreeze, antiboil & antirust

Specification	Freezing point %33 Solution	Freezing point %50 Solution	Reserve alkalinity (ml)	pH %33 Solution	Density @ 15.6 °c kg/m ³
Method	ASTM D - 1448	ASTM D - 1448	ASTM D - 1121	-	ASTM D - 1298
LUBRUN ANTIFREEZE	-18	-37	4	8.4	1117
Antifreeze, anti-boiling and anti-corrosion, has the national standard of Iran ISIRI 338 in accordance with ASTM standards D-3306, D-1384 Contains additives to prevent corrosion and rust.					
LUBRUN DIESEL ANTIFREEZE	-18	-36	20	8	1137
Lubrun antifreeze diesel is designed in accordance with the national standard of Iran ISIRI 338 and ASTM standards D-3306, D-1384 for use in the cooling system of diesel vehicles and prevents corrosion and rust.					

Antifreeze organic

Specification	Freezing point %33 Solution	Freezing point %50 Solution	Reserve alkalinity (ml)	pH %33 Solution	Density @ 15.6 °c kg/m ³
Method	ASTM D - 1448	ASTM D - 1448	ASTM D - 1121	-	ASTM D - 1298
LUBRUN ANTIFREEZE NF	-18	-37	6	8.5	1126
LUBRUN ANTIFREEZE ORGANIC , due to the special additives in it, this fluid is designed without creating insoluble substances even in hard water that complies with environmental standards. This antifreeze has a long life with a capability of 3 years or at least 90.0000 km.					
LUBRUN COOLANT	-18	-37	2	8	1134
LUBRUN COOLANT ready-to-use fluid to protect cooling systems against corrosion and rust.					



Power Plant Antifreeze

Specification	Freezing point %33 Solution	Freezing point %50 Solution	Reserve alkalinity (ml)	pH %33 Solution	Density @ 15.6 °c kg/m ³
Method	ASTM D - 1448	ASTM D - 1448	ASTM D – 1121	-	ASTM D - 1298
LUBRUN Power Plant Antifreeze	-18	-37	25	8	1139
Antifreeze for power plants, in accordance with the national standard of Iran ISIRI 338 and ASTM standards D-3306, D-1384 and can be used in cooling systems of gas and steam power plants and combined cycle.					

SAE Grades For Engine Oils Recommended in Relation with the outside Temperatures (°C)





Quality Assessment Lia

Registration
Certificate

This Certificate Confirms that the Management Systems of

Parsian Oil Co.
(Lubrun)

5th Floor, Part Bldg., No. 79, Shahid Dasgerdi St., Shariati Ave., Tehran, Iran.

Have been audited and approved by Quality Assessment Lia

To the Following Standards or Guidelines:



ISO 9001:2015
Quality Management System

The approved management system apply to following scope :

Production, Distribution and Packaging of Kinds of Motor and Industrial Oils,
Grease, Antifreeze, Chemical Products for the Oil Industry.
Buy, Sell, Import and Export Products, Fuel Supplements and Oil.

EA Code: 12
NACE Code: 20

Original Approval: 12 Aug 2012
Current Certificate: 28 Feb 2019
Certificate Expiry: 28 Feb 2022
Certificate Number: 30129998



Qual Quality



ISO 9001
Reg No. 8134785



On behalf of Quality Assessment Lia

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URKUNDE

über die Eintragung der Marke

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Die Präsidentin des Deutschen Patent- und Markenamtes

Rudolf-Schäffer

Rudloff-Schäffer







Parsian oil co.

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