



کتابچه محصولات مصفاة پارس للنفط
التوزيع والتوريد من قبل شركة پارس للنفط في العراق واقلیم کردستان

pars oil co. 
Since 1958

Products

**Product catalog of Pars Oil Refinery products
Distributed and supplied by Part Oil Company in Iraq and the Kurdistan Region.**

کاتالوگ محصولات تولیدی پالایشگاه نفت پارس

توزیع و عرضه توسط شرکت پارت اویل در کشور عراق و اقلیم کردستان



pars oil co. 
Since 1998



EXTENSIVE PAST EXPERIENCE, MODERN TECHNOLOGY



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Pars Top Class

Pars Class

Pars Super Pishro

Pars Super Paya Plus

Pars Super Paya

Pars Paya

Pars CNG

Pars Aras

Pars Takro

PARSDO – ZAMANEHVIDJEH

Gasoline Engine Oils



● Pars Top Class

Pars Top Class is a full-synthetic gasoline engine oil specially formulated to protect turbocharged Gasoline Direct Injection (TGDI) engines from Low-Speed Pre-Ignition (LSPI), subsequently, prevent engine knock, broken spark plugs and cracked pistons, and, in severe cases, catastrophic engine failure.

Performance Level

API SN Plus

INSO 22261

Typical Properties	Test Method	Unit	Typical Value	
SAE Grade	J300	----	5W-30	10W-40
Kinematic Viscosity @ 100 ° C	ASTM D-445	cSt	11.9	16.1
Viscosity Index	ASTM D-2270	-	160	150
Density @ 15 ° C	ASTM D-1298	kg/m ³	845	849
Flash Point	ASTM D-92	° C	210	215
Pour Point	ASTM D-97	° C	-39	-33
Total Base Number	ASTM D-2896	mg KOH/g	8.2	8.3

● Pars Class

Pars Super Class is a full-synthetic gasoline engine oil specially designed to provide high temperature deposit protection for pistons and improved protection against the formation of engine sludge. This product is suitable for gasoline engines designed up to 2020 which API SN is recommended.

Performance Levels

API SN

ACEA C3

MB 229.31

INSO 22261

Typical Properties	Test Method	Unit	Typical Value	
SAE Grade	J300	-----	5W-30	10W-40
Kinematic Viscosity @ 100 ° C	ASTM D-445	cSt	11.5	16.1
Viscosity Index	ASTM D-2270	-	160	155
Density @ 15 ° C	ASTM D-1298	kg/m ³	854	850
Flash Point	ASTM D-92	° C	215	225
Pour Point	ASTM D-97	° C	-36	-30
Total Base Number	ASTM D-2896	mg KOH/g	8.2	7.5

● Pars Super Pishro

Pars Super Pishro is a high performance gasoline engine oil designed to control engine deposits and to reduce oil consumption. This product is especially formulated for gasoline engines designed up to 2010 which API SM is recommended.

Performance Levels

API SM

INSO 22261

Typical Properties	Test Method	Unit	Typical Value		
SAE Grade	J300	--	5W-30	5W-40	10W-40
Kinematic Viscosity @ 100 ° C	ASTM D-445	cSt	12.1	15.1	16.2
Viscosity Index	ASTM D-2270	-	160	165	155
Density @ 15 ° C	ASTM D-1298	kg/m ³	851	849	850
Flash Point	ASTM D-92	°C	205	215	235
Pour Point	ASTM D-97	°C	-39	-36	-30
Total Base Number	ASTM D-2896	mg KOH/g	8.6	8.1	7.6

● Pars Super Paya Plus

Pars Super Paya Plus is a semi-synthetic gasoline engine oil that has high oxidation resistance, easy cold start-up properties and excellent detergency. This product is especially formulated for gasoline engines designed up to 2004 which API SL is recommended.

Performance Levels

API SL

ACEA A3-04, B3-04

MB 229.1

VW 50500

INSO 22261

Typical Properties	Test Method	Unit	Typical Value
SAE Grade	J300	--	10W-40
Kinematic Viscosity@ 100 ° C	ASTM D-445	cSt	15.5
Viscosity Index	ASTM D-2270	-	150
Density @ 15 ° C	ASTM D-1298	kg/m ³	874
Flash Point	ASTM D-92	° C	224
Pour Point	ASTM D-97	° C	-30
Total Base Number	ASTM D-2896	mg KOH/g	9.5

● Pars Super Paya

Pars Super Paya is a multigrade gasoline engine oil that has high oxidation resistance, easy cold start-up properties and excellent detergency and meets the requirements of API SL performance level which is recommended for 2004 and older gasoline engines.

Performance Levels

API SL

ACEA A3-04, B3-04

MB 229.1

VW 50500

INSO 22261

Typical Properties	Test Method	Unit	Typical Value
SAE Grade	J300	--	20W-50
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	20.5
Viscosity Index	ASTM D-2270	-	125
Density @ 15 °C	ASTM D-1298	kg/m ³	889
Flash Point	ASTM D-92	°C	228
Pour Point	ASTM D-97	°C	-24
Total Base Number	ASTM D-2896	mg KOH/g	9.5

● Pars Paya

Pars Paya is a multigrade gasoline engine oil with good stability against oxidation and excellent detergency that meets the requirements of API SJ which is recommended for 2001 and older gasoline engines.

Performance Levels

API SJ

INSO 22261

Typical Properties	Test Method	Unit	Typical Value
SAE Grade	J300	--	20W-50
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	20.5
Viscosity Index	ASTM D-2270	-	120
Density @ 15 °C	ASTM D-1298	kg/m ³	884
Flash Point	ASTM D-92	°C	227
Pour Point	ASTM D-97	°C	-24
Total Base Number	ASTM D-2896	mg KOH/g	9

● Pars CNG

Pars CNG is a multigrade engine oil that has high oxidation and nitration resistance and proper detergency especially formulated to protect bi-fuel (CNG-gasoline) 4-stroke engines from lubrication related failures. This product meets API SJ requirements.

Performance Levels

API SJ

INSO 22261

Typical Properties	Test Method	Unit	Typical Value	
SAE Grade	J300	-	15W-40	20W-50
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	15.6	20.5
Viscosity Index	ASTM D-2270	-	125	120
Density @ 15 °C	ASTM D-1298	kg/m ³	879	894
Flash Point	ASTM D-92	°C	200	228
Pour Point	ASTM D-97	°C	-24	-24
Total Base Number	ASTM D-2896	mg KOH/g	8.5	8.5

● Pars Aras

Pars Aras is a multigrade gasoline engine oil offering better engine protection and cleanliness in order to effectively protect 1993 and older gasoline engines that API SG has been recommended.

Performance Levels

API SG

INSO 22261

Typical Properties	Test Method	Unit	Typical Value
SAE grade	J300	--	20W-50
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	20
Viscosity Index	ASTM D-2270	-	120
Density @ 15 °C	ASTM D-1298	kg/m ³	886
Flash Point	ASTM D-92	°C	226
Pour Point	ASTM D-97	°C	-24
Total Base Number	ASTM D-2896	mg KOH/g	8

● Pars Takro

Pars Takro is a gasoline engine oil formulated from high-quality base oils and proper additives, providing better control over sludge, piston deposits, and oil thickening in 1988 and older gasoline engines that API SF has been recommended.

Performance Levels

API SF

INSO 22261

Typical Properties	Test Method	Unit	Typical Value	
SAE grade	J300	----	40	50
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	15.9	20.5
Viscosity Index	ASTM D-2270	-	90	90
Density @ 15 °C	ASTM D-1298	kg/m ³	903	906
Flash Point	ASTM D-92	°C	240	246
Pour Point	ASTM D-97	°C	-12	-9
Total Base Number	ASTM D-2896	mg KOH/g	5	5

● PARS DO – ZAMANEH VIDJEH

Pars Do-Zamaneh Vidjeh is formulated from high-quality base oils and unique additives to be use in small 2-stroke gasoline engines such as motorcycle engines, motorboats with oil injection, chainsaws, portable power generators, awnmowers and all other air-cooled 2-stroke gasoline engines.

Performance Levels

API TC

JASO FD

ISO-L-EGD

ISIRI 6639

Typical Properties	Test Method	Unit	Typical Value
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	8.5
Viscosity Index	ASTM D-2270	-	95
Density @ 15 °C	ASTM D-1298	kg/m ³	885
Flash Point	ASTM D-92	°C	200
Pour Point	ASTM D-97	°C	-21



Pars Super Pishran

Pars Super Paydar Ultra

Pars Super Paydar

Pars Paydar

Pars Super Mazda

Pars Diesel Tarabar Vidjeh

Pars Super Arvand Diesel

Pars Locomotive

Pars Gzsouz Vidjeh

Pars Generator Vidjeh

Pars Mazda

Pars Bastan

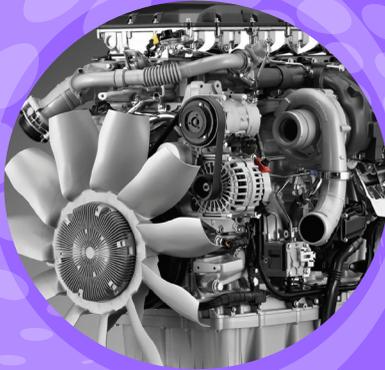
Pars Ghazaal STOU

Pars Tractor STOU

Pars Ghazaal UTTO

Pars Tractor UTTO

Pars Ghazaal TO-4



Diesel Engine Oil

● Pars Super Pishran

Pars Super Pishran is a multi-grade diesel engine oil formulated using high quality synthetic base oils and specially balanced additives for heavy and medium duty diesel engines which are equipped with emission control system EGR and DPF in accordance with API CJ-4 performance level.

Performance Levels

API CJ-4

ACEA E9-16

VOLVO VDS-4.5

Renault RLD-4

MB 228.31

MAN M3275

INSO 22260

Typical Properties	Test Method	Unit	Typical Value		
SAE grade	J300	--	10W-30	10W-40	15W-40
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	11.9	15.65	15.4
Viscosity Index	ASTM D-2270	-	145	150	145
Density @ 15 °C	ASTM D-1298	kg/m ³	885	863	872
Flash Point	ASTM D-92	°C	220	220	225
Pour Point	ASTM D-97	°C	-36	-33	-30
Total Base Number	ASTM D-2896	mgKOH/g	10	10	10

● Pars Super Paydar Ultra

Pars Super Paydar Ultra is a semi synthetic diesel engine oil formulated based on the latest world-class technology. Superior detergency, excellent dispersancy of soot produced by incomplete fuel combustion, evaporation loss prevention and high shear stability are some characteristics of this product. This engine oil is suitable for diesel engines equipped with EGR (Exhaust Gas Recirculation).

SAE 20W-50 with mineral base and extreme evaporation drop is recommended to use in off-highway industries including agricultural, mining and construction machinery working under severe operating condition.

Performance Levels

API CI-4 Plus
CI-4/CH-4

ACEA E7-16

MB 228.3

MAN M 3275

VOLVO VDS-3

Mack EO-S-4.5

CATERPILLAR ECF 1a

Renault RLD-2

JASO DH-1

GLOBAL DHD-1

INSO 22260

Typical Properties	Test Method	Unit	Typical Value		
SAE grade	J300	--	10W-40	15W-40	20W-50
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	15.5	15.5	20.5
Viscosity Index	ASTM D-2270	-	150	140	125
Density @ 15 °C	ASTM D-1298	kg/m ³	875	879	887
Flash Point	ASTM D-92	°C	215	215	225
Pour Point	ASTM D-97	°C	-36	-27	-24
Total Base Number	ASTM D-2896	mgKOH/g	12	12	12

● Pars Super Paydar

Pars Super Paydar is a diesel engine oil with excellent oxidation stability and detergency formulated for high speed diesel engines equipped with EGR system and turbocharger. This product can be used in advanced mining equipment, construction and agricultural machinery designed since 2002.

Performance Levels

API CI-4
ACEA E7-16
MB 228.3
Mack EO-N/EO-M plus

VOLVO VDS-3

MAN M3275

Renault RLD-2

INSO 22260

Typical Properties	Test Method	Unit	Typical Value	
SAE grade	J300	--	10W-40	15W-40
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	15.6	15.4
Viscosity Index	ASTM D-2270	-	150	140
Density @ 15 °C	ASTM D-1298	kg/m ³	873	880
Flash Point	ASTM D-92	°C	220	220
Pour Point	ASTM D-97	°C	-30	-27
Total Base Number	ASTM D-2896	mg KOH/g	13.5	12

● Pars Paydar

Pars Paydar is a multigrade diesel engine oil formulated based on high quality base oils and unique additives in accordance to API CH-4 performance level to be used in high speed turbocharged diesel engines.

Performance Levels

API CH-4

ACEA E7-16

MB 228.3

INSO 22260

VOLVO VDS-3

MAN M3275

Renault RLD-2

Typical Properties	Test Method	Unit	Typical Value		
SAE grade	J300	--	10W-30	15W-40	20W-50
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	11.25	15.6	20.5
Viscosity Index	ASTM D-2270	-	140	140	120
Density @ 15 °C	ASTM D-1298	kg/m ³	868	873	886
Flash Point	ASTM D-92	°C	210	216	228
Pour Point	ASTM D-97	°C	-30	-27	-24
Total Base Number	ASTM D-2896	mgKOH/g	11.5	11.5	11.5

● Pars Super Mazda

Pars Super Mazda is a diesel engine oil especially formulated to provide high detergency, low evaporation loss and excellent anti-wear properties in supercharged diesel engines.

Performance Levels

API CG-4

Volvo VDS-2

MB 228.3

INSO 22260

Typical Properties	Test Method	Unit	Typical Value
SAE grade	J300	--	25W-50
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	20.9
Viscosity Index	ASTM D-2270	-	105
Density @ 15 °C	ASTM D-1298	kg/m ³	903
Flash Point	ASTM D-92	°C	225
Pour Point	ASTM D-97	°C	-21
Total Base Number	ASTM D-2896	mg KOH/g	10

● Pars Diesel Tarabar Vidjeh

Pars Diesel Tarabar Vidjeh, is a multigrade diesel engine oil formulated based on high quality base oils and proper additives in order to be used in supercharged and turbocharged diesel engines requiring oil in accordance with API CF-4. It should be noted that 10W grade is suitable for use in hydraulic system of heavy duty construction and mining machinery.

Performance Levels

API CF-4

ACEA E2/B4/A3

MB 228.1

INSO 22260

Typical Properties	Test Method	Unit	Typical Value		
SAE grade	J300	--	10W	15W-40	20W-50
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	6.9	15.65	20.95
Viscosity Index	ASTM D-2270	-	100	135	120
Density @ 15 °C	ASTM D-1298	kg/m ³	881	888	894
Flash Point	ASTM D-92	°C	204	218	226
Pour Point	ASTM D-97	°C	-30	-24	-24
Total Base Number	ASTM D-2896	mgKOH/g	11	11	11

● Pars Super Arvand Diesel

Pars Super Arvand Diesel, is a diesel engine oil formulated using proper mineral base oils and high quality additives for turbocharged construction and mining diesel engines which API CF is recommended.

Performance Levels

API CF

INSO 22260

Typical Properties	Test Method	Unit	Typical Value		
SAE grade	SAE J300	--	40	50	60
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	15.9	20.95	22.95
Viscosity Index	ASTM D-2270	-	90	90	90
Density @ 15 °C	ASTM D-1298	kg/m ³	901	904	908
Flash Point	ASTM D-92	°C	220	230	230
Pour Point	ASTM D-97	°C	-9	-9	-9
Total Base Number	ASTM D-2896	mgKOH/g	11	11	11

● Pars Locomotive

Pars Locomotive, diesel engine oil formulated from high quality base oil and specially Zinc Free additives in order to use in two and four- stroke diesel locomotives. This oil because of the absence of Zinc in its formulation can be used in silver alloys bearings.

Performance Levels

API CF-4/CF

GE Generation 4

INSO 22260

Typical Properties	Test Method	Unit	Typical Value	
SAE grade	J300	--	15W-40	40
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	15.4	15.84
Viscosity Index	ASTM D-2270	-	125	87
Density @ 15 °C	ASTM D-1298	kg/m ³	889	904
Flash Point	ASTM D-92	°C	220	240
Pour Point	ASTM D-97	°C	-30	-15
Total Base Number	ASTM D-2896	mg KOH/g	17	17

● Pars Gazosuz Vidjeh

Pars Gazosuz Vidjeh, as a diesel engine oil meets API-CF requirements and formulated for internal combustion four-stroke engines with high-speed CNG which needs low sulfated oil, such as power plant diesel generators. This oil is compatible with the CNG engines designed according to the latest version of NOx emission standards

Performance Levels

API CF

INSO 22260

Typical Properties	Test Method	Unit	Typical Value
SAE grade	J300	--	40
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	15
Viscosity Index	ASTM D-2270	-	95
Density @ 15 °C	ASTM D-1298	kg/m ³	890
Flash Point	ASTM D-92	°C	246
Pour Point	ASTM D-97	°C	-18
Total Base Number	ASTM D-2896	mg KOH/g	5.6
Sulfated Ash	ASTM D-874	Wt%	0.45

● Pars Generator Vidjeh

Pars Generator Vidjeh is a diesel engine oil with high detergency and dispersancy formulated to be used in power plant stationary generators and mining and construction machinery. This product meets API CD requirements.

Performance Levels

API CD

INSO 22260

Typical Properties	Test Method	Unit	Typical Value	
SAE grade	J300	--	30	40
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	12	15.9
Viscosity Index	ASTM D-2270	-	94	92
Density @ 15 °C	ASTM D-1298	kg/m ³	902	904
Flash Point	ASTM D-92	°C	230	240
Pour Point	ASTM D-97	°C	-18	-12
Total Base Number	ASTM D-2896	mgKOH/g	12.5	12.5

● Pars Mazda

Pars Mazda is a diesel engine oil formulated from high quality mineral base oils and proper additives for heavy duty diesel engines working under severe operating condition which API CD is recommended.

Performance Levels

API CD

INSO 22260

Typical Properties	Test Method	Unit	Typical Value	
SAE grade	J300	--	40	25W-50
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	15.65	20.95
Viscosity Index	ASTM D-2270	-	85	110
Density @ 15 °C	ASTM D-1298	kg/m ³	908	901
Flash Point	ASTM D-92	°C	230	230
Pour Point	ASTM D-97	°C	-12	-21
Total Base Number	ASTM D-2896	mg KOH/g	10.8	10.8



● Pars Bastan

Pars Bastan is a diesel engine oil formulated in accordance to API CD in order to use in heavy duty diesel engine that works under severe operating condition. It worth to mention 10W grade is suitable for hydraulic system of heavy duty construction and mining machinery.

Performance Levels

API CD

INSO 22260

Typical Properties	Test Method	Unit	Typical Value	
SAE grade	J300	--	10W	30
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	6.4	12
Viscosity Index	ASTM D-2270	-	100	95
Density @ 15 °C	ASTM D-1298	kg/m ³	882	902
Flash Point	ASTM D-92	°C	204	230
Pour Point	ASTM D-97	°C	-30	-18
Total Base Number	ASTM D-2896	mg KOH/g	10.8	10.8

● Pars Ghazaal STOU

Pars Ghazaal STOU (Super Tractor Oil Universal) is a high quality multi-functional oil formulated in order to use in diesel engines, transmissions, converters, hydraulics, gearbox, differentials and wet brakes of agricultural and construction heavy duty machinery.

Performance Levels

API CF-4
API GL-4

FORD M2C 159B1

MASSEY FERGUSON
M1139

JOHN DEERE J27

INSO 22260

Typical Properties	Test Method	Unit	Typical Value
SAE grade	J300	--	10W-30
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	11.25
Viscosity Index	ASTM D-2270	-	140
Density @ 15 °C	ASTM D-1298	kg/m ³	879
Flash Point	ASTM D-92	°C	215
Pour Point	ASTM D-97	°C	-30
Total Base Number	ASTM D-2896	mg KOH/g	13

● Pars Tractor STOU

Pars Tractor STOU (Super Tractor Oil Universal) is a high quality multi-functional oil formulated in order to use in diesel engines, transmissions, converters, hydraulics, gearbox, differentials and wet brakes of agricultural and construction heavy duty machinery.

Performance Levels

API CF-4
API GL-4

FORD M2C 159B1

MASSEY FERGUSON
M1139

JOHN DEERE J27C

INSO 22260

Typical Properties	Test Method	Unit	Typical Value
SAE grade	J300	--	10W-30
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	11.25
Viscosity Index	ASTM D-2270	-	140
Density @ 15 °C	ASTM D-1298	kg/m ³	879
Flash Point	ASTM D-92	°C	215
Pour Point	ASTM D-97	°C	-30
Total Base Number	ASTM D-2896	mg KOH/g	11

● Pars Ghazaal UTTO

Pars Ghazaal UTTO (Universal Tractor Transmission Oil) is a high quality multi-functional oil formulated in order to use in transmissions, converters, and hydraulics, gearbox, differentials and wet brakes of agricultural and construction heavy duty machinery.

Performance Levels

API GL-4

FORD M2C 134D

Allison C-4

MASSEY FERGUSON
M1135/M1145

JOHN DEERE JDM J27

INSO 2873

Typical Properties	Test Method	Unit	Typical Value
SAE grade	J300	--	10W-30
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	11.25
Viscosity Index	ASTM D-2270	-	140
Density @ 15 °C	ASTM D-1298	kg/m ³	879
Flash Point	ASTM D-92	°C	215
Pour Point	ASTM D-97	°C	-30

● Pars Tractor UTTO

Pars Tractor UTTO (Universal Tractor Transmission Oil) is a high quality multi-functional oil formulated in order to use in transmissions, converters, and hydraulics, gearbox, differentials and wet brakes of agricultural and construction heavy duty machinery.

Performance Levels

API GL-4

FORD M2C 134D

Allison C-4

MASSEY FERGUSON
M1135/M1145

JOHN DEERE JDM J27

INSO 2873

Typical Properties	Test Method	Unit	Typical Value
SAE grade	J300	--	10W-30
Kinematic Viscosity @ 100 °C	ASTM D-445	cSt	11.25
Viscosity Index	ASTM D-2270	-	140
Density @ 15 °C	ASTM D-1298	kg/m ³	879
Flash Point	ASTM D-92	°C	215
Pour Point	ASTM D-97	°C	-30



Pars Enteghal Automatic III (ATF III)

Pars Enteghal Automatic II (ATF II)

Pars Meduss EPS

Pars Meduss EP

Pars Meduss

Automotive Gear Oil



● Pars Enteghal Automatic III (ATF III)

Pars Enteghal Automatic III is an automatic transmission fluid formulated using synthetic based oils and can be used in automatic gearbox and transmissions of passenger and commercial vehicles. This product with excellent shear stability, outstanding low temperature fluidity and high temperature stability can also be used as hydraulic fluid in power steering systems.

Pars Enteghal Automatic III (ATF III) must not be used in DCT, CVT and F/G gearbox types.

Performance Levels

GM Dexron III G

Allison C4

Caterpillar TO-2

INSO 5814

Typical Properties	Test Method	Unit	Typical Value
Kinematic Viscosity @ 100°C	ASTM D-445	cSt	6.5-8.5
Viscosity Index	ASTM D-2270	-	170
Density @ 15°C	ASTM D-1298	kg/m ³	843
Flash Point	ASTM D-92	°C	180
Pour Point	ASTM D-97	°C	-45

● Pars Enteghal Automatic II (ATF II)

Pars Enteghal Automatic II is an automatic transmission fluid formulated using high quality based oils and can be used in automatic gearbox and transmissions of passenger and commercial vehicles. This product with excellent shear stability, outstanding low temperature fluidity and high temperature stability can also be used as hydraulic fluid in power steering systems.

Pars Enteghal Automatic II (ATF II) must not be used in DCT, CVT and F/G gearbox types.

Performance Levels

GM Dexron IID

Allison C4

Caterpillar TO-2

INSO 5814

Typical Properties	Test Method	Unit	Typical Value
Kinematic Viscosity @ 100°C	ASTM D-445	cSt	7.5-8.5
Viscosity Index	ASTM D-2270	-	170
Density @ 15°C	ASTM D-1298	kg/m ³	857
Flash Point	ASTM D-92	°C	180
Pour Point	ASTM D-97	°C	-45

● Pars Meduss EPS

Pars Meduss EPS is a multigrade, extreme pressure automotive gear oil formulated to be used in the manual gearbox and rear axle (hypoid and non-hypoid) of commercial, heavy and off-road vehicles under moderate up to severe conditions. This oil has superior anti-wear properties under extreme conditions.

Performance Levels

API GL-5

MIL-L-2105 D

MAN 342 M2

ZF TE-ML 05A, 7A,
12E, 16 B/C/D

INSO 2810

Typical Properties	Test Method	Unit	Typical Value				
			75W-80	75W-90	80W-90	85W-90	85W-140
SAE Grade	J-306	-	75W-80	75W-90	80W-90	85W-90	85W-140
Kinematic Viscosity @ 100°C	ASTM D-445	cSt	8.5	15.5	15.5	17	30
Viscosity Index	ASTM D-2270	-	150	150	114	90	90
Density @15°C	ASTM D-1298	kg/m ³	865	844	887	902	898
Flash Point	ASTM D-92	°C	180	180	190	210	212
Pour Point	ASTM D-97	°C	-42	-42	-30	-18	-18

● Pars Meduss EP

Pars Meduss EP as a multigrade extreme pressure automotive gear oil is suitable for manual gearbox and hypoid gears light-duty vehicles which API GL-4 is recommended. This oil has excellent anti-wear properties under extreme conditions.

Performance Levels

API GL-4

MIL-L-2105

INSO 2873

Typical Properties	Test Method	Unit	Typical Value				
			75W-80	75W-90	80W-90	85W-90	85W-140
SAE Grade	J-306	-	75W-80	75W-90	80W-90	85W-90	85W-140
Kinematic Viscosity @ 100°C	ASTM D-445	cSt	8.5	15.5	15.5	17	30
Viscosity Index	ASTM D-2270	-	150	150	114	90	90
Density @15°C	ASTM D-1298	kg/m ³	865	844	887	902	898
Flash Point	ASTM D-92	°C	180	180	190	210	212
Pour Point	ASTM D-97	°C	-42	-42	-30	-18	-18

Pars Keyvan

Pars Babak

Pars Babak Vidjeh

Pars Hydraulic ZF

Pars Hydraulic Automatic

Pars Babak HFDU

Pars Shakib

Pars Shakib S

Pars Shakib PAG

Pars Roling

Pars Yataghan

Pars Cylinder Oil

Pars Turbine

Pars Turbine EP

Pars Compressor
(AirComp VDL P)

Pars Compressor 1053

Pars Compressor
(AirComp SCR S2)

Pars Compressor
(AirComp SCR S3)

Pars Compressor
(AirComp VDL SP)

Pars Compressor
(RefComp N)

Pars Compressor
(RefComp SE)

Pars Transformer U-N

Pars Atrak Vidjeh

Pars Rock Drill

Pars Screw Machine

Pars Enteghal Hararat

Pars Quenching

Pars Zanjir SHT-PAO

Pars Cellulose Oil HT260

Pars Flushing

Pars Ghatreh

Pars Mohafez

Pars Rubber



● Pars Keyvan

Pars Keyvan is a circulating oil formulated based on high quality base oils and pour point depressant additive for lubrication of circulating systems, bearings, closed gear boxes and control systems made from steel, bronze or silver alloys.

Performance Levels

DIN 51524 PART I (C)

ISIRI 6423-HH

ISO 11158-HH

Typical Properties	Test Method	Unit	Typical Value								
Grade	ISO VG	--	22	32	46	68	100	150	220	320	
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	22	32	46	68	100	150	220	320	
Viscosity Index	ASTM D-2270	-	100	95	95	92	91	90	90	90	
Density @ 15°C	ASTM D-1298	kg/m ³	850	872	878	881	885	890	896	900	
Flash Point	ASTM D-92	°C	180	200	200	200	210	220	220	220	
Pour Point	ASTM D-97	°C	-21	-21	-15	-9	-9	-9	-9	-9	

● Pars Babak

Pars Babak is a hydraulic oil formulated from high quality base oils and anti-corrosion and anti-oxidation additives to protect circulating and hydraulic systems, closed gearboxes and compressors crankcases.

Performance Levels

DIN 51524 Part I (HL)

Denison HF-1

ISIRI 6423

Typical Properties	Test Method	Unit	Typical Value							
Grade	ISO VG	-	22	32	46	68	100	150		
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	22	32	46	68	100	150		
Viscosity Index	ASTM D-2270	-	95	95	95	92	91	90		
Density @ 15°C	ASTM D-1298	kg/m ³	841	867	894	885	890	893		
Flash Point	ASTM D-92	°C	175	180	185	200	210	220		
Pour Point	ASTM D-97	°C	-21	-21	-18	-18	-12	-12		

● Pars Babak Vidjeh

Pars Babak Vidjeh is a high performance hydraulic oil, formulated from unique base oils and high quality anti-wear additives, which can be used in all of the circulated hydraulic systems under severe working conditions such as hydraulic systems of mining and construction equipment, heavy and light duty hydraulic press systems, various types of compressors' crankcase and closed gearboxes.

Performance Levels

DIN 51524 PART II (HLP)

Denison HF-O, HF-2

ISIRI 6423

Typical Properties	Test Method	Unit	Typical Value						
Grade	ISO VG	-	10	22	32	46	68	100	150
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	10	22	32	46	68	100	150
Viscosity Index	ASTM D-2270	-	90	95	95	95	92	91	90
Density @ 15°C	ASTM D-1298	kg/m ³	831	841	867	894	885	890	893
Flash Point	ASTM D-92	°C	150	175	180	185	200	210	220
Pour Point	ASTM D-97	°C	-30	-21	-21	-18	-18	-12	-12

● Pars Hydraulic ZF

Pars Hydraulic ZF is a Zinc Free hydraulic oil formulated from high-quality base oils and special Zinc Free additives specially in order to lubricate hydraulic systems and devices made from silver alloys.

Performance Levels

DIN 51524 PART II (HLP)

ISIRI 6423

Typical Properties	Test Method	Unit	Typical Value			
Grade	ISO VG	-	32	46	68	100
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	32	46	68	100
Viscosity Index	ASTM D-2270	-	95	95	92	91
Density @ 15°C	ASTM D-1298	kg/m ³	867	894	885	890
Flash Point	ASTM D-92	°C	180	185	200	210
Pour Point	ASTM D-97	°C	-21	-15	-18	-12

● Pars Hydraulic Automatic

Pars Hydraulic Automatic is an advanced performance hydraulic oil engineered for applications subject to a wide range of temperatures such as Furnace hydraulic systems and marine hydraulic systems. This oil is formulated from high-quality base oils and unique viscosity index improver additives in order to compensate the effect of temperature on viscosity changes.

Performance Levels

DIN 51524 PART III (HVLP)

ISIRI 6423

Typical Properties	Test Method	Unit	Typical Value					
Grade	ISO VG	-	15	22	32	46	68	100
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	15	22	32	46	68	100
Viscosity Index	ASTM D-2270	-	140	140	140	140	140	140
Density @ 15°C	ASTM D-1298	kg/m ³	837	839	859	871	879	884
Flash Point	ASTM D-92	°C	160	175	175	180	180	200
Pour Point	ASTM D-97	°C	-39	-30	-30	-30	-30	-30

● Pars Babak HFDU

Pars Babak HFDU is a fire-resistant hydraulic oil formulated using synthetic base oils (POE) to be qualified for fire hazards hydraulic systems used in the casting, steel and aluminum industries. Additives in order to compensate the effect of temperature on viscosity changes.

Performance Levels

ISO 12922

7th Luxembourg Reports requirements

Typical Properties	Test Method	Unit	Typical Value	
Grade	ISO VG	-	46	68
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	46	68
Viscosity Index	ASTM D-2270	-	180	180
Density @ 15°C	ASTM D-1298	kg/m ³	915	920
Flash Point	ASTM D-92	°C	260	270
Pour Point	ASTM D-97	°C	-39	-36

● Pars Shakib

Pars Shakib is an industrial gear oil especially designed for the lubrication of heavy-duty industrial gears. This product is formulated based on high quality mineral base oils and high performance extreme pressure and anti-wear additives for power transmission gears under extremely high loads in steel and cement industries.

Performance Levels

DIN 51517 PART III
US STEEL 224
Siemens TLV 901304-305
INSO 2974

Typical Properties	Test Method	Unit	Typical Value						
Grade	ISO VG	-	68	100	150	220	320	460	680
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	68	100	150	220	320	460	680
Viscosity Index	ASTM D-2270	-	90	90	90	90	90	90	90
Density @ 15°C	ASTM D-1298	kg/m ³	886	892	892	893	904	907	908
Flash Point	ASTM D-92	°C	200	200	200	215	230	230	230
Pour Point	ASTM D-97	°C	-15	-15	-15	-15	-15	-9	-6

● Pars Shakib S

Pars Shakib S is an industrial gear oil formulated using Poly Alpha Olefin (PAO) synthetic base oils and advanced additives to provide effective high load carrying capacity and EP characteristics which offers long service life and exceptional gears protection against wear and corrosion compared to mineral-based industrial gear oils.

Performance Levels

DIN 51517 PART III (CLP)
INSO 2974
US STEEL 224

Typical Properties	Test Method	Unit	Typical Value		
Grade	ISO VG	-	220	320	460
Kinematic Viscosity@40°C	ASTM D-445	cSt	220	320	460
Viscosity Index	ASTM D-2270	-	160	160	160
Density @ 15°C	ASTM D-1298	kg/m ³	837	844	844
Flash Point	ASTM D-92	°C	240	244	244
Pour Point	ASTM D-97	°C	-45	-30	-30

● Pars Shakib PAG

Pars Shakib PAG is a synthetic industrial gear oil formulated using Poly Alkylene Glycol (PAG) and specially selected additives for lubrication of bearings and industrial gears which are under high pressure and high temperature. Compare to mineral based industrial gear oils, PAG based oils offer higher load carrying properties, higher temperature stability and longer service life.

Performance Levels

DIN 51517 PART III (CLP)

INSO 2974

US STEEL 224

Typical Properties	Test Method	Unit	Typical Value		
Grade	ISO VG	-	150	220	320
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	150	220	320
Viscosity Index	ASTM D-2270	-	209	214	220
Density @ 15°C	ASTM D-1298	kg/m ³	995	998	1002
Flash Point	ASTM D-92	°C	210	235	240
Pour Point	ASTM D-97	°C	-39	-39	-39

● Pars Rolling

Pars Rolling is a circulating oil specially designed to meet the critical requirements of rolling mill units, steel ingot lamination and other equipment manufactured by Danieli Company. It is formulated from high quality base oils and proprietary additives to provide outstanding anti-wear, anti-corrosion and water-separability.

Performance Levels

DIN 51517 PART III (CLP)

INSO 2974

Typical Properties	Test Method	Unit	Typical Value		
Grade	ISO VG	-	150	320	460
Kinematic Gravity @ 40°C	ASTM D-445	cSt	150	320	460
Viscosity Index	ASTM D-2270	-	90	90	90
Density @ 15°C	ASTM D-1298	kg/m ³	892	903	906
Flash Point	ASTM D-92	°C	210	215	220
Pour Point	ASTM D-97	°C	-18	-9	-9

● Pars Yataghan

Pars Yataghan is a circulating oil designed to protect a wide range of industrial machines such as milling equipment against wear and corrosion. This oil is formulated from high quality base oils and proprietary additive systems to provide excellent oxidation protection and enhanced performance required by Morgan No-twist rod mill machines.

Performance Levels

**DIN 51517 PART IIII,
CL/ CLP**

**Morgan No-Twist
Rodmill**

**Schuler Pressem
DT55005**

Typical Properties	Test Method	Unit	Typical Value
Grade	ISO VG	-	100
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	100
Viscosity Index	ASTM D-2270	-	95
Density @ 15°C	ASTM D-1298	kg/m ³	889
Flash Point	ASTM D-92	°C	230
Pour Point	ASTM D-97	°C	-24

● Pars Cylinder Oil

Pars Cylinder Oil is a high temperature resistant oil formulated using high quality mineral base oils and additives for lubrication of steam cylinders, screw gear systems and low speed bearings under moderate loads.

Typical Properties	Test Method	Unit	Typical Value
Grade	ISO VG	-	680
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	680
Viscosity Index	ASTM D-2270	-	95
Density @ 15°C	ASTM D-1298	kg/m ³	905
Flash Point	ASTM D-92	°C	280
Pour Point	ASTM D-97	°C	-6

● Pars Turbine

Pars Turbine is formulated using group I⁺ base oils, unique additives in order to lubricate single-shaft water, gas, steam and combined cycle turbines and has been approved by Siemens.

Performance Levels

DIN 51515 PART III
BS 489:1999
ASTM D4304
Siemens TLV 901304-305
ISO 8068
INSO 3049

Typical Properties	Test Method	Unit	Typical Value			
Grade	ISO VG	-	32	46	68	100
Kinematic Viscosity @ 40 °C	ASTM D-445	cSt	32	46	68	100
Viscosity Index	ASTM D-2270	-	100	100	95	95
Density @ 15 °C	ASTM D-1298	kg/m ³	858	865	877	867
Flash Point	ASTM D-92	°C	210	215	220	230
Pour Point	ASTM D-97	°C	-12	-15	-9	-12
Demulsibility	IP-19	Sec.	150	150	300	300

● Pars Turbine EP

Pars Turbine EP is formulated using group I⁺ and group II base oils, unique anti-oxidant, anti-corrosion and pressure resistant additives in order to lubricate multi-shaft water, gas, and steam and combined cycle turbines.

Performance Levels

DIN 51515 PART III
BS 489: 1999
ASTM D4304
Siemens TLV 901304-305
INSO 3049

Typical Properties	Test Method	Unit	Typical Value			
Grade	ISO VG	-	32	46	68	100
Kinematic Viscosity @ 40 °C	ASTM D-445	cSt	32	46	68	100
Viscosity Index	ASTM D-2270	-	100	100	95	95
Density @ 15 °C	ASTM D-1298	kg/m ³	838	864	885	881
Flash Point	ASTM D-92	°C	200	220	220	230
Pour Point	ASTM D-97	°C	-24	-21	-15	-15
Demulsibility	IP-19	Sec.	300	300	300	300

● Pars Compressor (AirComp VDLP)

Pars Compressor (AirComp VDLP) is a high quality compressor oil formulated using a blend of unique mineral base oils and advanced additives to lubricate various types of the rotary sliding vane, screw and reciprocating compressors.

Performance Levels

DIN 51506,VDL

ISIRI 10622

Typical Properties	Test Method	Unit	Typical Value				
Grade	ISO VG	-	32	46	68	100	150
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	32	46	68	100	150
Viscosity Index	ASTM D-2270	-	95	95	95	95	95
Density @ 15°C	ASTM D-1298	kg/m ³	876	876	868	880	895
Flash Point	ASTM D-92	°C	210	215	230	240	240
Pour Point	ASTM D-97	°C	-30	-30	-30	-24	-18

● Pars Compressor 1053

Pars Compressor 1053 is formulated based on a blend of HVI mineral base oils and advanced additives for lubrication of rotary vane and screw compressors. Its excellent anti-wear and anti-oxidation properties effectively protect compressor parts and provide long service life.

Performance Levels

ISO 6521 part 2 DAG

Typical Properties	Test Method	Unit	Typical Value	
Grade	ISO VG	-	46	68
Kinematic Viscosity @ 40 °C	ASTM D-445	cSt	46	68
Viscosity Index	ASTM D-2270	-	155	150
Density @ 15°C	ASTM D-1298	kg/m ³	871	878
Flash Point	ASTM D-92	°C	180	190
Pour Point	ASTM D-97	°C	-30	-30

● Pars Compressor (AirComp SCR S2)

Pars Compressor (AirComp SCR S2) is a premium quality compressor lubricant specifically designed for use in oil injected screw compressors. This product is formulated with carefully selected group II base oils and additives, which enables it to achieve longer compressor running hours.

Performance Levels

ISO 8068

GB 11120

Typical Properties	Test Method	Unit	Typical Value	
Grade	ISO VG	-	46	68
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	46	68
Viscosity Index	ASTM D-2270	-	105	105
Density @ 15°C	ASTM D-1298	kg/m ³	833	836
Flash Point	ASTM D-92	°C	230	240
Pour Point	ASTM D-97	°C	-33	-30

● Pars Compressor (AirComp SCR S3)

Pars Compressor (AirComp SCR S3) is a premium quality compressor lubricant specifically designed for use in oil injected screw compressors. This product is formulated with carefully selected group III base oils and additives, which enables it to achieve longer compressor running hours.

Performance Levels

ISO 8068

GB 11120

Typical Properties	Test Method	Unit	Typical Value	
Grade	ISO VG	-	46	68
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	46	68
Viscosity Index	ASTM D-2270	-	105	105
Density @ 15°C	ASTM D-1298	kg/m ³	833	836
Flash Point	ASTM D-92	°C	230	240
Pour Point	ASTM D-97	°C	-33	-30

● Pars Compressor (AirComp VDLSP)

Pars Compressor SP is an air compressor oil formulated from Poly Alpha Olefin (PAO) base oils and unique additives, used at severe pressure and temperature operation condition in screw and vane compressors. Its formulation using high viscosity index synthetic oils features a stable lubricating film in a wide range of temperatures, which provides enhanced oxidation stability and higher wear protection.

Performance Levels

DIN 51506 ,VDL

ISIRI 10622

Typical Properties	Test Method	Unit	Typical Value	
Grade	ISO VG	-	46	68
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	46	68
Viscosity Index	ASTM D-2270	-	125	140
Density @ 15°C	ASTM D-1298	kg/m ³	833	836
Flash Point	ASTM D-92	°C	240	256
Pour Point	ASTM D-97	°C	-48	-42

● Pars Compressor (RefComp N)

Pars Compressor (RefComp N) is a refrigeration compressor oil formulated using high quality naphthenic base oils and specially selected additives to protect compressors developed for use with ammonia. This product provides high lubricity at high temperatures and excellent fluidity at low temperatures.

Performance Levels

DIN 51503, KAA

Typical Properties	Test Method	Unit	Typical Value		
Grade	ISO VG	-	32	46	68
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	32	46	68
Flash Point	ASTM D-92	°C	190	190	190
Density @ 15°C	ASTM D-1298	kg/m ³	905	911	916
Cloud Point	ASTM D-2500	°C	-42	-40	-38
Pour Point	ASTM D-97	°C	-36	-33	-30

● Pars Compressor (RefComp SE)

Pars Compressor (RefComp SE) is a refrigeration compressor oil formulated using Polyolester (POE) base oils and carefully balanced additives to protect compressors developed for use with R-134a and other environmentally acceptable HFC refrigerant. This oil minimize wear in bearings and pistons as the most critical parts of reciprocating compressor.

Performance Levels

DIN 51503, KD

Typical Properties	Test Method	Unit	Typical Value				
Grade	ISO VG	-	22	32	46	68	100
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	22	32	46	68	94
Viscosity Index	ASTM D-2270	-	150	150	150	150	150
Density @ 15°C	ASTM D-1298	kg/m ³	901	905	908	910	913
Flash Point	ASTM D-92	°C	240	240	240	240	250
Pour Point	ASTM D-97	°C	-45	-45	-45	-45	-45

● Pars Transformer U-N

Pars Transformer U-N is an insulating oil formulated using refined naphthenic base oils with proper viscosity and without oxidation and corrosion inhibitor compounds, which offers high breakdown voltage, low Dielectric Dissipation Factor (DDF), excellent thermal stability and high cooling capacity in order to protect all types of transformers and switchgears.

Performance Levels

IEC 60296

BS 148

INSO 2661

Typical Properties	Test Method	Unit	Typical Value
Kinematic Viscosity @ 40°C	ISO 3104	mm ² /s	11.0
Density @ 20 °C	ISO 3675	kg/m ³	875
Flash Point	ISO 2719	°C	150
Pour Point	ISO 3016	°C	-40
Break down voltage Before treatment After treatment	IEC 60156	kV	30
			70

● Pars Atrak Vidjeh

Pars Atrak Vidjeh is a highly stable oil-in-water emulsion developed for use as metal working fluid. This fluid is designed based on specially selected mineral base oils and emulsifiers to provide effective lubrication and cooling performance in a variety of a metal working industries such as machinery operation, drilling, sawing and grinding of metals even yellow metals. It is worth mentioning formulation of Pars Atrak Vidjeh contains biocide in order to prevent an unpleasant odor.

Performance Levels

INSO 2773

Typical Properties	Test Method	Unit	Typical Value
Emulsion Appearance	Visual	-	Milky
pH Emulsion (5%)	ASTM D-1287	-	9.3
Density of oil @ 15 °C	ASTM D-1298	kg/m ³	899
Foam	IP-312	-	Pass
Rust prevention	IP-287	%	Break point 3%
Recommended Dilution		%	<3%
Emulsion Stability	IP-263	-	stable

● Pars Rock Drill

Pars Rock Drill is generally designed for lubrication of machine tools such as bearings, gearboxes and also slide way and hydraulic systems. This oil is formulated from high-quality base oils and advanced additives, providing outstanding emulsion separation performance which results in wear and corrosion protection of equipment.

Performance Levels

ISIRI 9099-GA

CINCINNATI P63/ P68/ P74/ P77

Typical Properties	Test Method	Unit	Typical Value			
Grade	ISO VG	---	32	68	150	220
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	32	68	150	220
Viscosity Index	ASTM D-2270	-	100	95	90	90
Density @ 15°C	ASTM D-1298	kg/m ³	785	883	900	901
Flash Point	ASTM D-92	°C	180	190	210	210
Pour Point	ASTM D-97	°C	-12	-12	-12	-12

● Pars Screw Machine

Pars Screw Machine is a water-immiscible oil formulated to be used in metalworking equipment such as gear turning, extrusion process, drilling and tapping by offering high performance surface finishing, excellent lubrication and proper cooling. This fluid is particularly designed for use in metalworking equipment which has a low desire for oil mist.

Performance Levels

ISO 6743 PART 7, MAA

Typical Properties	Test Method	Unit	Typical Value	
Grade	ISO VG	-	22	32
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	22	32
Viscosity Index	ASTM D-2270	-	95	95
Density @ 15°C	ASTM D-1298	kg/m ³	867	867
Flash Point	ASTM D-92	°C	190	190
Pour Point	ASTM D-97	°C	-12	-12

● Pars Enteghal Hararat

Pars Enteghal Hararat is a highly refined heat transfer oil intended for use in closed systems where the bulk temperature of oil is not more than 300 °C. It is formulated specially to resist against oxidation and has high heat capacity and heat transfer coefficient.

Performance Levels

ISIRI 11298-12 QB

ISO 6743 PART 12 QB

Typical Properties	Test Method	Unit	Typical Value	
Grade	ISO VG	-	32	
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	32	
Viscosity Index	ASTM D-2270	-	95	
Density @ 15°C	ASTM D-1298	kg/m ³	865	
Flash Point	ASTM D-92	°C	210	
Pour Point	ASTM D-97	°C	-12	

● Pars Quenching

Pars Quenching is a heat treatment oil with non-corrosive properties to metal alloys. Pars Quenching H (grade 150) is suitable for warm quenching (oil bath temperature up to 170°C) and the other grades are proposed for cold quenching (oil bath temperature up to 80°C). This oil contains very low aromatic components and as a result outstanding oxidation resistance.

Performance Levels

ISIRI 5437
ISO 6743 PART 14,
UHA UHB

Typical Properties	Test Method	Unit	Typical Value			
Grade	ISO VG	-	22	26	32	150(H)
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	22	26	32	150
Viscosity Index	ASTM D-2270	-	100	115	100	95
Density @ 15°C	ASTM D-1298	kg/m ³	848	846	865	893
Flash Point	ASTM D-92	°C	180	200	180	235
Pour Point	ASTM D-97	°C	-12	-9	-6	-12

● Pars Zanjir SHT-PAO

Pars Zanjir SHT is a high temperature resistant oil formulated using poly-alpha-olefin (PAO) synthetic base oils and special additives for lubrication of hot conveyor chains in drying ovens up to 250 °C.

Performance Levels

API SPEC 7F

Typical Properties	Test Method	Unit	Typical Value
Grade	ISO VG	-	220
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	220
Density @ 15°C	ASTM D-1298	kg/m ³	890
Flash Point	ASTM D-92	°C	260
Pour Point	ASTM D-97	°C	-6

● Pars Cellulose Oil HT260

Pars Cellulose Oil is an advanced oil formulated using polyolester (POE) base oils and unique additives for continuous wood panel presses under very high temperatures and extreme loads. This oil is especially designed to form no lacquer-like residues.

Typical Properties	Test Method	Unit	Typical Value
Grade	ISO VG	-	260
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	260
Viscosity Index	ASTM D-2270	-	140
Density @ 15°C	ASTM D-1298	kg/m ³	950
Flash Point	ASTM D-92	°C	250

● Pars Ghatre

Pars Ghatre is a high quality group I base oil which is suitable for general purpose lubrication of simple equipment.

Performance Levels

ISIRI 3299

Typical Properties	Test Method	Unit	Typical Value	
Grade	ISO VG	-	10	20
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	5/5	7/5
Viscosity Index	ASTM D-2270	-	85	85
Density @ 15°C	ASTM D-1298	kg/m ³	883	876
Flash Point	ASTM D-92	°C	180	180
Pour Point	ASTM D-97	°C	-3	-3

● Pars Flushing

Pars Flushing is a highly refined and paraffinic base oil designed to flush out metal or non-metal contaminants and chips in the turning process and to reduce used oil and dirt carrying into the new lubricant fill-in the circulating systems. This oil is meant to use in a wide variety of hydraulic systems, turbines, and thermal converters before refilling the new lubricant.

Typical Properties	Test Method	Unit	Typical Value
Grade	ISO VG	-	32
Kinematic Viscosity @ 40°C	ASTM D-445	cSt	32
Viscosity Index	ASTM D-2270	-	90
Density @ 15°C	ASTM D-1298	kg/m ³	880
Flash Point	ASTM D-92	°C	200
Pour Point	ASTM D-97	°C	-21

● Pars Mohafez PL

Pars Mohafez PL is a specially formulated oil designed to protect cold rolled products of steel industries from rust during transportation and storage.

Performance Levels

ISO 6743 Part 8

ISIRI 11298-8

Typical Properties	Test Method	Unit	Typical Value
Grade	ISO VG	-	
Kinematic Viscosity @100°C	ASTM D-445	cSt	5.3
Density @ 15°C	ASTM D-1298	kg/m ³	854
VI	ASTM D2270	-	115
Pour Point	ASTM D-97	°C	-12
Rust	ASTM D-665	-	pass



Pars Oghyanous

Pars Lenj

Pars Darya

Pars Modj

Pars ModjX

Pars ModjXL

Marine Oil



● Pars Ogghyanous

Pars Ogghyanous is a premium quality marine cylinder oil. This oil is designed for use in low-speed crosshead two strokes engines which burn heavy fuel oils (sulfur content up to 4% weight). ECA type is suitable for fuels with sulfur content up to 0.5% weight. Outstanding engine cleanliness, excellent resistance to sludge formation in internal parts of the engine and supreme protection of sensitive engine parts against wear are some characteristics of Pars Ogghyanous.

Performance Levels

API CD
INSO 22260
ICS Approval

Typical Properties	Test Method	Unit	Typical Value			
			ECA5025	ECA5040	5070	50100
SAE grade	J-300	-	50	50	50	50
Kinematic Viscosity @ 100°C	ASTM D-445	cSt	19.5	19.5	19.5	19.5
Viscosity Index	ASTM D-2270	-	95	95	95	100
Density @ 15°C	ASTM D-1298	kg/m ³	913	923	946	962
Flash Point	ASTM D-92	°C	250	250	250	230
Pour Point	ASTM D-97	°C	-18	-18	-9	-12
Total Base Number	ASTM D-2896	mg KOH/g	25	40	70	100

● Pars Lenj

Pars Lenj is a system oil designed for crankcase of low-speed crosshead and trunk piston diesel engines (main and auxiliary) that burn distilled fuel. Using high quality mineral base oils and balanced selection of additives in the formulation of this oil, offers excellent detergency and dispersancy, outstanding thermal and oxidation stability, suitable water separation properties and great resistance to corrosion and rust.

Performance Levels

API CD
INSO 22260
ICS Approval

Typical Properties	Test Method	Unit	Typical Value
			3008
SAE grade	J-300	-	30
Kinematic Viscosity @ 100°C	ASTM D-445	cSt	11.8
Viscosity Index	ASTM D-2270	-	85
Density @ 15°C	ASTM D-1298	kg/m ³	900
Flash Point	ASTM D-92	°C	210
Pour Point	ASTM D-97	°C	-18
Total Base Number	ASTM D-2896	mg KOH/g	8

● Pars Darya

Pars Darya has outstanding corrosion and rust resistance, excellent basicity and detergency which is suitable for medium speed four-stroke marine main and auxiliary engines that burn fuel with sulfur content up to 1% weight. This oil also performs satisfactorily in smaller four-stroke high-speed engines that work under severe operation condition, high and medium speed trunk piston engines, power transmissions and deck machinery.

Performance Levels

API CF
INSO 22260
ICS Approval

Typical Properties	Test Method	Unit	Typical Value				
			3012	3015	4012	4015	5015
SAE grade	J-300	-	30	30	40	40	50
Kinematic Viscosity @100°C	ASTM D-445	cSt	12.1	12.1	15.4	15.4	19.2
Viscosity Index	ASTM D-2270	-	90	95	95	95	95
Density @ 15°C	ASTM D-1298	kg/m ³	898	899	903	905	905
Flash Point	ASTM D-92	°C	215	220	220	220	230
Pour Point	ASTM D-97	°C	-18	-18	-18	-18	-15
Total Base Number	ASTM D-2896	mgKOH/g	12	15	12	15	15

● Pars Modj

Pars Modj is a high performance marine engine oil intended for use in medium speed four-stroke trunk piston engines with heavy fuel (sulfur content up to 2.5% weight), turbocharged diesel engines and propeller shaft stern tube. This oil also can be used for vessel's ancillary requiring SAE 30, 40. This oil has good basicity to neutralize the acidic products of combustion, excellent temperature stability and high resistance to corrosion and rust. ECA type is suitable for fuels with sulfur content up to 0.5% weight.

Performance Levels

API CF
INSO 22260
ICS Approval

Typical Properties	Test Method	Unit	Typical Value			
			ECA 3012	3030	4030	ECA-4020
SAE grade	J-300	-	30	30	40	40
Kinematic Viscosity @ 100°C	ASTM D-445	cSt	12.1	12.1	15.1	15.1
Viscosity Index	ASTM D-2270	-	99	90	90	90
Density @ 15°C	ASTM D-1298	kg/m ³	901	908	913	913
Flash Point	ASTM D-92	°C	210	210	220	220
Pour Point	ASTM D-97	°C	-18	-18	-12	-12
Total Base Number	ASTM D-2896	mg KOH/g	12	30	30	20

● Pars ModjX

Pars Modj X is a high performance marine engine oil intended for use in four-stroke trunk piston engines which burn heavy fuels with sulfur content up to 3.5% weight. This oil also can be used in turbocharged diesel engines and propeller shaft stern tube. This oil is suitable for lubricating of the vessel's ancillary requiring of SAE 30, 40. ECA type is suitable for fuels with sulfur content up to 0.5% weight.

Performance Levels

API CF
INSO 22260
ICS Approval

Typical Properties	Test Method	Unit	Typical Value		
			X3040	X3055	X4040
SAE grade	J-300	-	30	30	40
Kinematic Viscosity @ 100°C	ASTM D-445	cSt	12.1	12.1	14.1
Viscosity Index	ASTM D-2270	-	90	90	90
Density @ 15°C	ASTM D-1298	kg/m³	913	921	919
Flash Point	ASTM D-92	°C	220	220	220
Pour Point	ASTM D-97	°C	-18	-18	-12
Total Base Number	ASTM D-2896	mg KOH/g	40	55	40

● Pars ModjXL

Pars Modj XL is a multipurpose oil use in crankcases of medium-speed marine diesel engines which burn heavy fuels with sulfur up to 3% weight. This oil is specially qualified to in moderate oil stress and optimized to improve deposit control. Also, Pars Modj XL has outstanding detergency and high oxidation resistance.

Performance Levels

API CF
INSO 22260
ICS Approval

Typical Properties	Test Method	Unit	Typical Value XL4055
SAE grade	J-300	-	40
Kinematic Viscosity @ 100°C	ASTM D-445	cSt	15.5
Viscosity Index	ASTM D-2270	-	95
Density @ 15 °C	ASTM D-1298	kg/m³	926
Flash Point	ASTM D-92	°C	220
Pour Point	ASTM D-97	°C	-15
Total Base Number	ASTM D-2896	mg KOH/g	55



Pars Aluminum Complex

Pars Lithium Complex EP

Pars Lithium EP

Pars Lithium MDS

Pars Lithium

Pars Calcium Sulfonate Complex

Pars Calcium Complex

Pars Chassis Plus

Pars Benton SHC

Pars Benton

Grease



● Pars Aluminum Complex

Pars Aluminum Complex is an advanced grease formulated using an aluminum complex soap as high performance thickener for lubrication of open gears, rotary kilns, ball mills and dryers. This grease includes base oils with properly selected viscosity, graphite with appropriate mesh size and special additives to provide outstanding extreme pressure and excellent anti-wear properties. Pars Aluminum Complex is very adhesive to the metal surfaces and has excellent water resistance as well. It worth mentioning that this grease can be applied by all conventional spraying systems.

Performance Level

ISIRI 2943

Typical Properties	Test Method	Unit	Typical Value	
Grade	NLGI	-	0	00
Thickener	-	-	Aluminum Complex	
Cone Penetration @ 25°C	ASTM D-217	0.1 mm	355-385	400-430
Dropping Point	ASTM D-2265	°C	200	200
Color	Visual	--	Black	
Temperature Range	-	°C	-10 to +140	
DIN Classification	DIN 51502	-	OGPF0N-10	OGPF00N-10

● Pars Lithium Complex EP

Pars Lithium Complex EP is a high temperature resistant grease formulated using lithium complex thickener and extreme pressure additives for lubrication of heavy loaded bearings, moreover, general industrial lubrication where the temperature rises up to 160 °C.

Performance Level

ISIRI 2943

Typical Properties	Test Method	Unit	Typical Value	
Grade	NLGI	-	2	3
Thickener	-	-	Lithium	
Cone Penetration @ 25°C	ASTM D-217	0.1 mm	220-250	265-295
Dropping Point	ASTM D-2265	°C	180	180
Color	Visual	--	Black	
Temperature Range	-	°C	-20 to +120	
DIN Classification	DIN 51502	-	KPF2K-20	KPF3K-20

● Pars Lithium EP

Pars Lithium EP is a high performance multi-purpose grease, formulated with High Viscosity Index (HVI) base oils and lithium soap thickener. It contains extreme pressure (EP) additives to increase resistance against heavy and shocking loads. This grease is used for lubrication of heavy loaded bearings and general industrial lubrication where the temperature is up to 120 °C.

Performance Level

ISIRI 5611

Typical Properties	Test Method	Unit	Typical Value		
Grade	NLGI	-	1	2	3
Thickener	-	-	Lithium		
Cone Penetration @ 25°C	ASTM D-217	0.1 mm	310-340	265-295	220-250
Dropping Point	ASTM D-2265	°C	180	180	180
Color	Visual	--	Brown		
Temperature Range	-	°C	-20 to +120		
DIN Classification	DIN 51502	-	KP1K-20	KP2K-20	KP3K-20

● Pars Lithium MDS

Pars Lithium MDS grease, formulated from premium base oil and lithium soap as thickener in order to lubrication of road construction machines and mining machines and also for bearings under pressure and shock loaded in high temperatures. Molybdenum disulfide compounds (MOS2) as solid lubricant has an effective impact on lubrication under severe operation condition (especially for a closed system where there is no airflow).

Performance Level

ISIRI 5611

Typical Properties	Test Method	Unit	Typical Value	
Grade	NLGI	-	2	3
Thickener	-	-	Lithium	
Cone penetration @ 25°C	ASTM D-217	0.1 mm	265-295	220-250
Dropping POINT	ASTM D-2265	°C	180	180
Color	Visual	--	Black	
Temperature range	-	°C	-20 to +120	
DIN classification	DIN 51502	-	KPF2K-20	KPF3K-20

● Pars Lithium

Pars Lithium is a high performance multi-purpose grease formulated based on high viscosity index base oils and lithium soap thickener to provide lubricated surface protection against wear, rust and corrosion. This grease can be used in general lubrication in the automobile industry and ball bearings and roller bearings.

Performance Level

INSO 142-1

Typical Properties	Test Method	Unit	Typical Value		
Grade	NLGI	-	1	2	3
Thickener	-	-	Lithium		
Cone Penetration @ 25°C	ASTM D-217	0.1 mm	310-340	265-295	220-250
Dropping Point	ASTM D-2265	°C	180	180	180
color	Visual	--	Cream		
Temperature Range	-	°C	-20 to +120		
DIN Classification	DIN 51502	-	K1K-20	K2K-20	K3K-20

● Pars Calcium Sulfonate Complex

Grease with calcium sulfonate complex soap as a thickener which can be used as lubricating industrial bearings, cables, open gears, winches and chains that operate under severe conditions. This grease is formulated from high quality base oils and is produced under accurate control due to its sensitivity to production method. Excellent temperature tolerance, outstanding mechanical stability and high resistance to water and seawater washout are some characteristics of this high performance grease.

Performance Level

ISIRI 2943

Typical Properties	Test Method	Unit	Typical Value
Grade	NLGI	-	1-2
Thickener	-	-	Calcium sulfonate complex
Cone Penetration @ 25°C	ASTM D-217	0.1 mm	280-310
Dropping Point	ASTM D-2265	°C	300
Color	Visual	--	Caramel
Temperature Range	-	°C	-20 to +180
DIN Classification	DIN 51502	-	KP1-2R-20

● Pars Calcium Complex

This grease is formulated based on calcium complex soap as a thickener which has excellent water wash resistance, good extreme pressure properties and supreme performance at high temperatures. This grease is designed to lubricate roller bearings, car chassis joints and shock-loaded bearings.

Performance Level

ISIRI 2943

Typical Properties	Test Method	Unit	Typical Value	
Grade	NLGI	-	2	3
Thickener	-	-	Calcium complex	
Cone Penetration @ 25°C	ASTM D-217	0.1 mm	265-295	220-250
Dropping Point	ASTM D-2265	°C	250	250
Color	Visual	--	brown	
Temperature Range	-	°C	-20 to +140	
DIN Classification	DIN 51502	-	K2N-20	K3N-20

● Pars Chassis Plus

Pars Chassis Plus grease is a smooth texture calcium soap as a thickener which is specifically suitable for general lubrication of automobiles' chassis, joints, door hinges and locks. Good mechanical stability, outstanding water resistance and easy pumpability in central lubrication systems are this grease property.

Performance Level

INSO 142-2

Typical Properties	Test Method	Unit	Typical Value	
Grade	NLGI	-	2	3
Thickener	-	-	Calcium	
Cone Penetration @ 25°C	ASTM D-217	0.1 mm	265-295	220-250
Dropping Point	ASTM D-2265	°C	95	
Color	Visual	--	Dark brown	
Temperature Range	-	°C	-20 to +60	
DIN Classification	DIN 51502	-	K2C-20	K3C-20

● Pars Benton SHC

Pars Benton SHC is a high-temperature grease based on inorganic thickener and high-quality synthetic base oils formulated for the lubrication of plain and rolling bearings operates under low speed, medium pressure and very high temperatures.

Performance Level

ISIRI 2943

Typical Properties	Test Method	Unit	Typical Value	
Grade	NLGI	-	2	3
Thickener	-	-	Bentonite clay	
Cone Penetration @ 25°C	ASTM D-217	0.1 mm	265-295	220-250
Dropping Point	ASTM D-2265	°C	Non drop	
Color	Visual	--	Light brown	
Temperature Range	-	°C	-20 to +200	
DIN Classification	DIN 51502	-	K2S-20	K3S-20

● Pars Benton

Pars Benton SHC is a high-temperature grease based on inorganic thickener and high-quality synthetic base oils formulated for the lubrication of plain and rolling bearings operates under low speed, medium pressure and very high temperatures.

Performance Level

ISIRI 2943

Typical Properties	Test Method	Unit	Typical Value	
Grade	NLGI	-	2	3
Thickener	-	-	Bentonite clay	
Cone Penetration @ 25°C	ASTM D-217	0.1 mm	265-295	220-250
Dropping Point	ASTM D-2265	°C	Non drop	
Color	Visual	--	Light brown	
Temperature Range	-	°C	-20 to +180	
DIN Classification	DIN 51502	-	K2R-20	K3R-20



Pars Sahand Vidjeh

Pars Sahand NF

Pars Sahand Nirogahi

Pars Yakhsar

Pars Veresk

Antifreeze



● Pars Sahand Vidjeh

Pars Sahand Vidjeh is a high quality anti-freeze and anti-boil formulated using mono ethylene glycol (MEG) This fluid protects the cooling system of gasoline and light-duty diesel cars against corrosion and rust, also can be used to raise the boiling point of the coolant.

Performance Level

INSO 338

Typical Properties	Test Method	Unit	Typical Value
Recommended water dilution by volume	-	%	50:50
Density @ 15.5 °C	ASTM D-1122	kg/m ³	1115
pH (50% vol in water)	ASTM D-1287	-	7.5-11
Boiling point (50% vol in water)	ASTM D-1120	°C	108
Freezing point (50% vol in water)	ASTM D-1177	°C	-37
Reserve Alkalinity	ASTM D-1121	mL	5

● Pars Sahand NF

Pars Sahand NF is a high quality anti-freeze and anti-boil formulated using mono ethylene glycol (MEG) and developed based on organic acid technology (OAT) additives which are free of nitrites, amines, phosphates and nitrates. This fluid protects the cooling system of gasoline and light-duty diesel cars against corrosion and rust, also can be used to raise the boiling point of the coolant.

Performance Level

INSO 338

Typical Properties	Test Method	Unit	Typical Value
Recommended water dilution by volume	-	%	50:50
Density @ 15.5 °C	ASTM D-1122	kg/m ³	1115
pH (50% vol in water)	ASTM D-1287	-	7.5-11
Boiling point (50% vol in water)	ASTM D-1120	°C	108
Freezing point (50% vol in water)	ASTM D-1177	°C	-37
Reserve Alkalinity	ASTM D-1121	mL	11

Pars Sahand Nirogahi

Pars Sahand Nirogahi is a proper anti-freeze for the cooling system of gas, steam and combined cycle plants. This product is formulated based on poly ethylene glycol (PEG) and special additives and is equivalent to Antifrogen N. This fluid is formulated to protect all parts of the cooling system of a power plants against corrosion and rust and also can be used to raise the coolant boiling point.

Performance Level

INSO 338

Typical Properties	Test Method	Unit	Typical Value
Recommended water dilution by volume	-	%	50:50
Density @ 15.5 °C	ASTM D-1122	kg/m ³	1139
pH (50% vol in water)	ASTM D-1287	-	8
Boiling point (50% vol in water)	ASTM D-1120	°C	105
Freezing point (50% vol in water)	ASTM D-1177	°C	-37
Reserve Alkalinity	ASTM D-1121	mL	26

Pars Yakhsar

Pars is a high quality anti-freeze and anti-boil formulated using mono ethylene glycol (MEG) This fluid protects the cooling system of gasoline and light-duty diesel cars against corrosion and rust, also can be used to raise the boiling point of the coolant.

Performance Level

INSO 338

Typical Properties	Test Method	Unit	Typical Value
Recommended water dilution by volume	-	%	50:50
Density @ 15.5 °C	ASTM D-1122	kg/m ³	1115
pH (50% vol in water)	ASTM D-1287	-	7.5-11
Boiling point (50% vol in water)	ASTM D-1120	°C	108
Freezing point (50% vol in water)	ASTM D-1177	°C	-37
Reserve Alkalinity	ASTM D-1121	mL	5



Pars Base Oil

Pars Residue Wax

Pars Paraffin Wax

Pars Slack Wax

Pars Rubber Processing Oil

Special Product



● Pars Base Oil (SN150 & SN500)

Pars Base Oil (SN150 & SN500) are produced via solvent refining of paraffinic crude oil according to Group I base oil requirements defined by American Petroleum Institute (API), less than 90 percent saturates and viscosity index greater than or equal to 85 and less than 120.

Typical Properties	Test Method	Unit	Value	
Grade	-	-	SN 150	SN 500
Kinematic Viscosity @ 100°C	ASTM D-445	cSt	5.6-7	10.3-11.2
Viscosity Index	ASTM D-2270	-	Min. 95	Min. 88
Density @ 15°C	ASTM D-1298	kg/m ³	Typical 880	Typical 880
Flash Point	ASTM D-92	°C	Min. 210	Min. 230
Pour Point	ASTM D-97	°C	Max.-9	Max.-3
Color	ASTM D-1500	-	Max. 1.5	Max. 2.0

● Pars Residue Wax (Foots Oil)

Pars Residue Wax (Foots Oil), is the residue derived from slack wax de-oiling or sweating in paraffin wax manufacturing process.

Typical Properties	Test Method	Unit	Typical Value
Kinematic Viscosity @ 100°C	ASTM D-445	cSt	7-12
Flash Point	ASTM D-93	°C	220
Melting Point	ASTM D-87	°C	25-30
Color	ASTM D-1500	-	4-7

● Pars Paraffin Wax

Pars Paraffin Wax, is semi refined crude paraffin derived from the Slack Wax dewaxing. This product is produced in two types: unbleached and bleached slab, and can be used raw material for candles, torches, various types of polishes, as corrosion protectors, as cable filling compounds, moreover, to ozone protection in tires and rubber industry.

Typical Properties	Test Method	Unit	Value
Kinematic Viscosity @ 100°C	ASTM D-445	cSt	5.98
Flash Point	ASTM D-93	°C	Min. 200
Color	ASTM D-1500	-	1.5
RI (70 °C)	ASTM D-1218	-	1.43
Oil Content	ASTM D-721	%wt	3-5

● Pars Slack Wax

Pars Slack Wax, is a byproduct of the base oil refinery process and is produced in different types depending on the viscosity of the oil being dewaxed: Heavy and Light. This product is suitable to be used in waterproof fabric and industrial paper and waxes.

Typical Properties	Test Method	Unit	Value	
Grade	-	-	Light Slack Wax	Heavy Slack Wax
Oil Content	ASTM D-721	%	10-14	16-23
Kinematic Viscosity @ 100°C	ASTM D-445	cSt	Max.5	5-7
Flash Point	ASTM D-93	°C	Min.190	Min.200
Melting Point	ASTM D-87	°C	Min.56	Min.60
Color	ASTM D-1500	-	Max.1	Max.2.5

● Pars Rubber Processing Oil

Pars Rubber Processing Oil (RPO) as high aromatic (HA) content oil, known as distillate aromatic extract (DAE), is obtained as a byproduct during solvent extraction process of base oils production. This product can be used as raw material in rubber formulations for manufacturing of tires, rubber shock absorbers, footwear, wire and cable coverings and ..., furthermore, in ink production.

Typical Properties	Test Method	Unit	Value	
Grade	-	-	Light Extract	Heavy Extract
Kinematic Viscosity @40°C	ASTM D-445	cSt	3-28	28-100
Flash Point	ASTM D-93	°C	Min.200	Min.210
Aniline Point	ASTM D-611	°C	22-45	22-45
Color	ASTM D 1500	-	Min.8	Min.8
RI (70 °C)	ASTM D-1218	-	1.4-1.6	1.4-1.6



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