

### ERAINDUSTRIAL LUBRICANTS FOR FPSO AND MARINE

Industrial lubricants range for civil construction, mining, power, FPSO and marine activities.

Providing cost effective factory direct pricing of high quality lubricants manufactured by one of the worlds leading brands to international standards including :

- Hydraulic Oils
- Industrial Gear Oils
- Bearing Greases
- Transformer Oils
- Pneumatic Oils
- High Performance Greases
- Metal Cutting fluids
- Heat transfer Oils
- Turbine Oils
- Compressor Oils

For specific information view the included PTTEP equivalence chart to find your standard OEM lubricants and speak to us about the PTTEP equivalent direct from factory solutions.

Authorised export resellers for PTTEP (Thailand) PCL across the full range of industrial lubricants.

## ERA Oilfield Services

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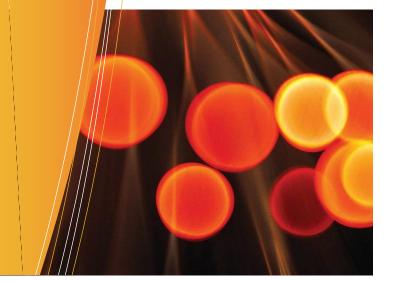
ERA OILFIELD SERVICES lubricants

# simplifying supply chains



#### ERA SOLUTIONS

- FACTORY DIRECT EXPORT PTTEP
- ERA BRANDED FACTORY SOLUTIONS
- LOGISTICS MANAGEMENT
- DIRECT DELIVERY GLOBALLY
- COMPARISON CHARTS FOR PTTEP
- PRODUCTS
- COST EFFECTIVE UNIT AND VOLUME
- PRICING
- CONTINUOUS CLIENT SUPPORT
- CERTIFIED PRODUCT RANGE TO
- INTERNATIONAL STANDARDS



## Lubricants at work for you

#### CONNECTING DIRECTLY TO FACTORY SUPPLY CHAINS

- Cost effective
- Managed supply chain
- Volume access
- International standard manufacturing
- Premium Product Ranges
- Marine
- Mining
- Industrial

Finding the right lubricant, when you need it, at a price that meets your budget and performs to the highest technical performance requirements of your clients. ERA Oilfield Service (Thailand) Co Ltd., have over 10 years of experience supplying well service, drilling, completion and industrial equipment and services to SE Asia, MENA and Africa.

We now expand our excellence to ensuring that our clients have the best lubricants to maximise asset lifespan and improve asset performance.

## Lubricant solutions for your FPSO and marine needs

#### HYDRAULIC OILS

- HYDRAULIC BIOSYN (BIODEGRADEABLE)
- HLP (ANTI WEAR ANTI OXODANT ADDITIVES)
- HYDRAULIC HVI (HIGH VISCOSITY)
- HYDRAULIC OIL (STANDARD )

#### GENERAL HYDRAULIC OILS STANDARDS

Denison HF-0, HF-1, HF-2 Eaton Vickers M-2950-S, 1-286-S DIN 51524 Part 2 HLP Type US Steel 127, 136 MAG (Cincinnati Milacron) P-68, P-69, P-70 ISO 11158 Category HM GM LS-2 SEB 181 222 JCMAS HK P041 Bosch Rexroth RD 90220-1 ISO 15380 HEES Parker (formerly Denison) HF-1, HF-2, HF-6 , Eaton 03-401-2010 Vessel General Permit IVGP) TECHNOLOGY, PRODUCT AND LOGISTICS A TOTAL END TO END SOLUTION.

#### FPSO AND MARINE LUBRICANTS

- HYDRAULIC BIOSYN (DEGRADEABLE)
- TRANSFORMER OILS
- COMPRESSOR OILS
- GEAR OILS (ENCLOSED)
- GEAR OIL (OPEN)
- TURBINE OILS
- ENGINE OILS
- HEAT TRANSFER OILS
- HP COMPLEX GREASES

#### COMPARISON CHARTS FOR PTTEP PRODUCTS

Regardless of your existing branded supply, ERA are delighted to offer the PTTEP range of lubricants meeting full international standards and full technical equivalence.

Refer to the following Comparison Charts, identify your existing branded supplier and note the PTTEP equivalent product.

Contact us to discuss how we can supply you with quality solutions in lubrication.





#### CUSTOM SOLUTIONS

Marine Oil and Gas Construction Automotive Heavy Industrial Mineral Mining Factory Production Metal Machining



#### CONTACT US CONTACT US VIA WEB: <u>WWW.ERAOILFIELDSERVICES.COM</u>

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## PRODUCT COMPARISON CHART ตารางเปรียบเทียบผลิตภัณฑ์หล่อลื่น

#### ตารางเทียบเกรด / COMPARISON CHART

### น้ำมันไฮดรอลิก

COMPARISON CHART FOR HYDRAULIC OIL

b ptt Lubricants	SHELL	MOBIL	CALTEX	CASTROL	BP	IDEMITSU	OTHERS
HYDRAULIC BIOSYN 32, 46, 68	NATURELLE HF-E 32, 46, 68	EAL HYDRAULIC 32, 46	HYDRA 32, 46, 68	BIOBAR RANGE 32, 46, 68	-	-	CONOCO SYNTERRA 32, 46, 68 TOTAL BIO PRESLIA HT 32, 46, 68
HYDRAULIC HVI 15, 32, 46, 68, 100	TELLUS S2 V 15, 32, 46, 68, 100	DTE 10 EXCEL 15, 32, 46, 68, 100	RANDO HDZ 15, 32, 46, 68, 100	HYSPIN AWH-M 15, 32, 46, 68, 100	ENERGOL SHF-HV 15, 32, 46, 68, 100	-	ESSO UNIVIS N 15, 32, 46, 68, 100 SUN'SOIL HYDRAULIC HVI 32, 46, 68
HYDRAULIC 32, 37, 46, 68, 100	TELLUS S2 M 32, 46, 68, 100	DTE 24 (32), 25 (46), 26 (68), 27 (100)	RANDO HD 32, 46, 68, 100	HYSPIN AWS 32, 46, 68, 100	ENERGOL HLP-HM 32, 46, 68, 100	SUPER FLUID 32, 46, 68, 100	ESSO NUTO H 32, 46, 68, 100 SUN'SOIL HYDRAULIC AW 32, 46, 68, 100
HLP 32, 46, 68, 100	HYDRAULIC S1 M 32, 46, 68	-	HYDRAULIC OIL AW 32, 46, 68, 100	-	-	FLUID EX 32, 46, 68	BANGCHAK HYDRAULITE AW 32, 37, 46, 68, 100

\* ตัวเลขที่แสดงในวงเล็บ ( ) คือความหนีดตามระบบ ISO VG

ารางเทียบเกรด / COMPARISON CHART

### น้ำมันเกียร์อุตสาหกรรม

COMPARISON CHART FOR INDUSTRIAL GEAR OIL

					CONTRACT OF A				
Lubricants	SHELL	MOBIL	CALTEX	CASTROL	BP	IDEMITSU	SUN'SOIL	OTHERS	
DRIVERA SYNTHETIC W 150, 220, 320, 460, 680	OMALA S4 WE 150, 220, 320, 460, 680	GLYGOYLE 150, 220, 320, 460, 680	-	ALPHASYN PG 150, 220, 320, 460	ENERSYN SG-XP 150, 220, 320, 460, 680		-	KLUBERSYNTH GH 6-150, 6-220, 6-320, 6-460, 6-680 RENOLIN PG 150, 220, 320, 460, 680	ANS Inèu
DRIVERA SYNTHETIC S 220, 320, 460, 680	OMALA S4 GX 220, 320, 460, 680	MOBILGEAR SHC 630 (220), 632 (320), 634 (460), 636 (680)	MEROPA SYNTHETIC EP 220, 320, 460, 680	ALPHASYN EP 220, 320, 460, 680	ENERSYN EP-XF 220, 320, 460, 680	-	-	KLUBERSYNTH GEM 4-220N, 320N, 460N, 680N RENOLIN UNISYN CLP 220, 320, 460, 680	nauavieshek SYNTHETIC
DRIVERA SF 150, 220, 320, 460, 680	OMALA S2 GX 150, 220, 320, 460, 680	MOBILGEAR 600XP 150, 220, 320, 460, 680	MEROPA XL 150, 220, 320, 460, 680	ALPHA SP 150, 220, 320, 460, 680	-	-	-	TOTAL CARTER XEP/EP 150, 220, 320, 460, 660 KLUBER OIL GEM1 150-N, 220-N, 320-N 460-N, 680-N MOTOREX GEAR COMPOUND PLUS 150, 220, 320, 460, 660	
GEAR OIL EP 68, 100, 150, 220, 320, 460, 680	OMALA S2 G 68, 100, 150, 220, 320, 460, 680	MOBILGEAR 626 (68), 627 (100), 629 (150), 630 (220), 632 (320), 634 (460), 636 (680)	MEROPA 68, 100, 150, 220, 320, 460, 680	ALPHA EP 68, 100, 150, 220, 320, 460, 680	ENERGOL GR-XF 150, 220, 320, 460	GEAR LUBE 68, 100, 150, 220, 320, 460	INDUSTRIAL GEAR 150, 220, 320, 460	ESSO SPARTAN EP 150, 220, 320, 460	
DRIVERA W 460	OMALA S1 W 460	600W SUPER CYLINDER 460	VANGUARD 460	-	ENERGOL DC-C 460	-	-	-	
DRIVERA SMR 105, 130, 180, 220, 280, 460	GADUS S1 OG 100 [105] 200 [220]	-	-	SMR Heavy [105]	-	-	-	PETRACHEM SMR 5 [130] WHITMORE CB#9000 [280]	
HITACK H	GADUS S1 OG 1600	MOBILTAC NC 375 1260	CHEVRON OPEN GEAR 800 NC	-	-	-	-	-	

\* ตัวเลขที่แสดงในวงเล็บ ( ) คือความหนีดตามระบบ ISO VG ตัวเลขที่แสดงในวงเล็บ [ ] คือความหนีดที่ 100 องศาเซลเซียส



## ตารางเทียบเกรด / сомраяเвом снаят น้ำมันเทอร์ไบน์

Lubricants	SHELL	MOBIL	CALTEX	CASTROL	BP	IDEMITSU	OTHERS
TERBIN M 32, 46	-	DTE 732 M (32)	GST PREMIUM 32	-	-	-	
TERBIN EP 32, 46, 68	TURBO CC 32, 46	DTE 832 (32), 846 (46)	GST EP 32, 46	PERFECTO XEP 32, 46, 68	TURBINOL X-EP 32, 46	-	MOBIL (ESSO) TERESSO GTC 32, 46
TERBIN T 32, 46, 68, 100	TURBO T 32, 46, 68, 100	DTE 732 (32), 746 (46), 768 (68)	REGAL R&O 32, 46, 68, 100	PERFECTO X 32, 46, 68	-	SUPER TURBINE OIL 32-s (32), 46-s (46), 68-s (68)	-
TERBIN 32, 46, 68, 100, 150, 220, 320	-	DTE LIGHT(32), MEDIUM(46), HEAVY MEDIUM(68), HEAVY(100)	×	PERFECTO T 32, 46, 68, 100	ENERGOL HL-C 32, 46, 68, 100, 150, 220, 320	FLUID EX 32, 46, 68	MOBIL (ESSO) TERESSO 32, 46, 68

\* ตัวเลขที่แสดงในวงเล็บ ( ) คือความหนีดตามระบบ ISO VG



Lubricants	SHELL	MOBIL	CALTEX	CASTROL	BP	CONOCO	OTHERS
AEROL SYNTHETIC S 46	CORENA S4R 46	RARUS SHC 1025	CETUS 46	AIRCOL SR 46	-	-	PETRO-CANADA COMPRO XL-S46 FUCHS RENOLIN UNISYN OL TOTAL DACNIS SH 46
COMPRESSOR OIL S 32, 46, 68	CORENA S2 R 46, 68	-	COMPRESSO OIL RA 32, 46, 68	AIRCOL PD 32, 46, 68	-	-	-
COMPRESSOR OIL 46, 68, 100, 150	CORENA S2 P 68, 100, 150	MOBIL RARUS 425 (46), 426 (68), 427 (100), 428 (150)	RPM COMPRESSOR OIL 46, 68, 100, 150	-	ENERGOL RC-R 32, 46, 68	-	
HIFREEZE R 68	CLAVUS 68	GARGOYLE ARCTIC OIL 30 (68)	CAPELLA OIL WF	-	ENERGOL LPT 68	REFRIGERANT COMPRESSOR OIL 68	-
HIFREEZE A 68	REFRIGERATION OIL S2 FR-A 68	-	-	AIRCOL AMS 68	-	AMMONIA COMPRESSOR OIL 68	PETROCANADA REFLO A68

\* ตัวเลขที่แสดงในวงเล็บ ( ) คือความหนิดตามระบบ ISO VG

## ตารางเทียบเกรด / сомравівом снавт น้ำมันหล่อลื่นสำหรับ เครื่องยนต์ก๊าซอุตสาหกรรม



COMPARISON CHART FOR STATIONARY GAS ENGINE OIL

Lubricants	SHELL	MOBIL	CALTEX	CASTROL	PETRONAS	VALVOLINE	OTHERS
METHANA 3540 SAE 40	MYSELA S5 S, S5 N 40	PEGASUS 605 ULTRA 40	HDAX 7200 SAE 4	DURATEC HPL	GEO NG, BLG SAE 40	GEO PLUS LA SAE 40	-
METHANA 2740 SAE 40	MYSELA S3 S 40	PEGASUS 710, 610 40	HDAX 5300 40	-	-	-	GUASCOR 40
METHANA 2540 SAE 40	MYSELA S3 N 40	PEGASUS 805, 705 40	HDAX 5200 40	-	GEO XS 40	-	-
GASTECH 500 SAE 40		PEGASUS 605, 505 40	HDAX LOW ASH	-	-	-	-

\* ตัวเลขที่แสดงในวงเล็บ ( ) คือความหนิดตามระบบ ISO VG

## จาระบีกลุ่มอุตสาหกรรม comparison chart for industrial grease

Lubricants	SHELL	MOBIL	CALTEX	CASTROL	BP	SUN'SOIL	OTHERS
MOLY-PLEX SMR GREASE	SMR GADUS S4 V2600 AD		-	MILL BRASS	-	-	WHITMORE BUSHING LUBRICANT
MOLY-PLEX GREASE 2			MINE GREASE PREMIUM 2 STARPLEX POLY MPGM 2	-	ENERGREASE LC-M 2	-	TRANE LITHIUM COMPLEX MOLY
LI-PLEX GREASE 2, 3	GADUS S3 V220C 2	MOBIL UNIREX N 2, 3 MOBILGREASE XHP 222 (2)	CALTEX DELO GREASE EP / CALTEX LMX GREASE 2	LMX GREASE	ENERGREASE LC RANGE 2	-	PULZAR Z-4 TRANE SUPER LXT
MOLY-EP GREASE 2	-	MOBILGREASE SPECIAL 2	MOLYGREASE EP 2	-	ENERGREASE LMS-EP 23	-	PULZAR Z-3 🛛
EP GREASE 0, 1, 2, 3	GADUS S2 V220 0, 1, 2	MOBILUX EP 0, 1, 2, 3	EP GREASE C / MULTIFAK EP 0, 1, 2, 3	SPHEEROL EPL 0, 1, 2	ENERGREASE LS-EP RANGE 0, 1, 2, 3	SPECIAL EP GREASE 2, 3	PULZAR Z-2 TRANE SUPER LT
MP GREASE 2, 3	GADUS S2 V100 2, 3	-	-	SPHEEROL AP 2, 3	ENERGREASE LS RANGE 2, 3	-	PULZAR Z-1
CHASSIS GREASE 2, 3	CHASSIS HD 2, 3		-	-	-	CHASSIS GREASE 2, 3	PULZAR HEAVY GREASE CROCODILE SG-406 CROCODILE
CUP GREASE 3	CUP GREASE 3	-	CUP GREASE 3	-	CUP GREASE 3	CUP GREASE 3	CROCODILE SG-306

\* ตัวเลขที่แสดงในวงเล็บ ( ) คือความหนีดตามระบบ ISO VG

ตารางเทียบเกรด / COMPARISON CHART น้ำมันหมุนเวียน / น้ำมันถ่ายเทความร้อน

COMPARISON CHART FOR CIRCULATING OIL / HEAT TRANSFER OIL

Lubricants	SHELL	MOBIL	CALTEX	CASTROL	IDEMITSU	SUN'SOIL	OTHERS
CIRCULAR P 150, 220, 320, 460, 680	MORLINA S2 B 150, 220, 320, 460, 680	VACUOLINE 128 (150), 133 (220), 137 (320), 146 (460), 148 (680)	-	HYSPIN VG 150, 220	MECHANIC OIL 150, 220, 320, 460	-	-
CIRCULAR 32, 46, 68, 100, 150	MORLINA S1 B 100, 150	-	- CANOPUS 32, 46, 68, 100, 150 - 32, 46, 68, 100, 150 -		CIRCULATING OIL		
HITEMP 600LT			- GS THERM		-	-	FUCHS RENOLIN THERM 330 ADDINOL HEAT TRANSFER OIL WX 15 TOTAL SERIOLA K 3120 EASTMAN THERMINOL 55
HITEMP 600	-	-	TEXATHERM 46	TEXATHERM 46 HEAT TRANSFER DAPHNE THERMIC OIL 1590 OIL 46S		SUNTHERM 46	EASTMAN THERMINOL 55 CHEVRON HEAT TRANSFER OILS 46
HITEMP 500	HEAT TRANSFER OIL S2MOBILTHERM 605TEXATHERM 32PERFECTO HT 5THERMIC OF 32		THERMIC OIL 32	SUNTHERM 32			

\* ตัวเลขที่แสดงในวงเล็บ ( ) คือความหนีดตามระบบ ISO VG

ตารางเทียบเกรด / comparison chart น้ำมันหม้อแปลงไฟฟ้า



COMPARISON CHART FOR TRANSFORMER OIL

<b>b ptt</b> Lubricants	SHELL	MOBIL	CALTEX	CASTROL	BP	SUN'SOIL	OTHERS
HIVOLT 99 PLUS (Naphthenic Base)	DIALA S4	MOBILECT 44	TRANSFORMER OIL INHIBITED	TRANSFORMER	-	-	NYNAS GIMINI X
HIVOLT PLUS (Paraffnic Base)	DIALA S4	-	-	-	-	-	-

\* เวิเลขที่แสดงในวงเล็บ ( ) คือความหนิดตามระบบ ISO VG

#### ตารางเทียบเกรด / COMPARISON CHART

### น้ำมันตัดกลึงโลหะ

	ากลึงโลหะ CHART FOR METAL							
Lubricants	SHELL / Houghton	MOBIL	CALTEX	CASTROL	IDEMITSU	SUN'SOIL	OTHERS	
HIKUT N 20	MACRON 498 CF-20	MOBILMET 446 (20)	-	-	MAGPLUS GC-22 (20)	NEAT CUT 200 SERIES (20)	-	น้ำมันตัดกลึงโลหะ ชนิดน้ NEAT CUTTING
HIKUT N 10, 11	-	MOBILMET 422 (10), 424 (11)	-	VARIOCUT C 334 (10), C 462 (11)	MAGPLUS LA 10 (10), 15 (11)	NEAT CUT 200 SERIES (11)	-	າການທີ່ເປັນເຊິ່ງ
HIKUT SYN W 10	HOCUT®767 HOCUT 767®B HOUGTO-GRIND®60	MOBILCUT 321 (10)	-	SYNTILO 9902 (10), 9930 (11)	AQUA COOL CC (11)	SUN'SOIL SYNGRIND (10), SYNCOOL (11)	-	น้ำมันตัดก WATER SC
HIKUT SEMI W 10, 30		MOBILCUT 231 (30)	-	CLEAREDGE 6519 (10)	-	-	-	กลีงโลหะ ชนิดผ LUBLE CUTTI
НІКUT W 10	HOCUT 787-B HOCUT 795 H HOCUT 795 Shell Dromus BA	KUTWELL 42 MOBILCUT 122	AQUATEX 3180	COOLEDGE B1	COOL E MAXICOOL MS	CUTTING OIL PREMIUM SOLUBLE	-	

\* ตัวเลขที่แสดงในวงเล็บ ( ) คือความหนืดตามระบบ ISO VG

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## ตารางเทียบเกรด / сомраяเรอง снаят น้ำมันหล่อลื่นจักรเยู็บผ้า / น้ำมันหล่อลื่นรางเลื่อนอุตสาหกรรม

COMPARISON CHART FOR TEXTILE SPINNING / SLIDEWAY OIL

<b>b ptt</b> Lubricants	SHELL	MOBIL	CALTEX	CASTROL	IDEMITSU	SUN'SOIL	OTHERS
SPINDLE OIL 10, 22	MORLINA S2 BL 10, 22	VELOCITE NO. 6 (10), 10 (22)	SPINDURA 10, 22	HYSPIN SPINDLE OIL 10, 22	SUPER MULTI OIL 10, 22	SPINDLE OIL 10, 22	BP SPINDLE OIL 10, 22
NEEDELA KLEAR 10, 22	-	-	-	-	-	-	TOTAL TIXO STAINLESS DIVINOL TEXTOL WE plus KLUBER MADOL 934
NEEDELA 10, 22, 32		-	-	FABRICAL HS 10, 22, 32	-	-	ບັນທີ່ກ GOIL
SLIDEWAY OIL 32, 68, 220	TONNA S2 M 32, 68, 220 TONNA S3 M 32, 68, 220	VACTRA NO. 1 (32), 2 (68), 4 (220)	WAY LUBRICANT X 68	MAGNA RANGE GC (32), BD (68), CF (220)	MULTI WAY 32MT (32), 68MT (68) SUPER MULTI OIL 32, 68, 220	WAYLUBE 68, 220	- -

\* ตัวเลขที่แสดงในวงเล็บ ( ) คือความหนิดตามระบบ ISO VG

## ตารางเทียบเกรด / comparison chart น้ำมันชุบโลหะ / น้ำมันกันสนิม

COMPARISON CHART FOR QUENCHING OIL / RUST PREVENTIVE OIL

Lubricants	SHELL / Houghton	MOBIL	CALTEX	CASTROL	IDEMITSU	SUN'SOIL	OTHERS
RUSTPROTEC M30	-	EXXON RUST-BAN 343	-		DAPHNE OIL COAT RE	RUST PREVENTIVE 570	- Russ
RUSTPROTEC S30	RUSTKOTE 943	EXXON RUST-BAN 392	-	RUSTILO DWX 20	-	RUST PREVENTIVE 560	
RUSTPROTEC S60	RUSTKOTE 945 HOUGHTON RUSTCOAT 301	-	-		-	-	- <b></b>
HIQUENCH ULTRA 110	-	-	-	-	-	-	HOUGHTON QUENCH KT SONOCO HIGH SPEED QUENCHING OIL 1070 PETROFER MARQUENCH 729T
HIQUENCH ULTRA	VOLUTA OIL C 10401 SHELL VOLUTA C 400	MOBILFENSO 90	-	ILOQUENCH 22	-	-	HOUGHTON DASCO-QUENCH LBA-15 CONOCO HYDROCLEAR QUENCH OIL 22HS
HIQUENCH 33	VOLUTA OIL C 32 (33) SHELL VOLUTA C 202	MOBILTHERM R 28 (33)	QUENCHTEX A (18)	ILOQUENCH 1 (18), 32 (33)	MASTER QUENCH A (18)	-	- <

\* ตัวเลขที่แสดงในวงเล็บ ( ) คือความหนีดตามระบบ ISO VG

### **TYPICAL CHARACTERISTIC**

NYMEMA 23 32 0 PA 32. 0 PA 32. 0 PA 32. 0 PA 33. 14. 22.0 33.   NYGRALUE DUCYN 48 0 8 0.4 46.0 11.0 14.6 22.0 33.   NYGRALUE VY1 22 0.2 0.46 32.0 42.6 15.8 31.6 32.0 33.6   NYGRALUE VY1 20 0.2 0.46 32.0 42.6 13.8 12.0 33.6 33.6   NYGRALUE VY1 20 0.2 0.87 37.0 58.8 13.8 22.2 17.2   NYGRALUE VY1 20 0.3 0.87 37.0 58.8 13.8 22.2 17.2   NYGRALUE VY1 20 0.3 0.87 37.0 58.8 13.8 22.0 17.2   NYGRALUE VY1 20 0.3 0.88 45.0 6.27 7.9 2.40 -3   NYGRALUE VY1 20 0.3 0.88 2.20 2.6 1.45 2.20 -4 -2 -3   NYG	Product	ISO VG	Density @ 15°C , g/cm³	Kinematic Viscosity at 40 °C , cSt	Kinematic Viscosity at 100 °C , cSt	VI	Flash Point ,°C	Pour Point ,°C	TAN , mgK0H/g
INDEXALUE 000744640640613140740720720720INDEXALUE 000741580715080815200-33INDEXALUE 000741580815200-34-34INDEXALUE 10074160809100103123223-33INDEXALUE 1007416080910015233223-33INDEXALUE 1007416080910015233223-34INDEXALUE 10074172808100103200-34-34INDEXALUE 1007417280840.06.63113200-74INDEXALUE 10074123126126126-46-46INDEXALUE 10074126126126126-46-46INDEXALUE 10074126126126126-46-46INDEXALUE 10074126126126126-46-46INDEXALUE 10074126126126126-46-46INDEXALUE 10074126126126126-46-46INDEXALUE 10074126126126126-46-46INDEXALUE 10074126126126126-46-46INDEXALUE 10074126126126126-46-46INDEXALUE 10074126126126126-46-46INDEXALUE 10074126126 <t< td=""><td>HYDRAULIC BLOSYN 32</td><td>32</td><td>1.005</td><td>and a second second</td><td></td><td>147</td><td></td><td></td><td>-</td></t<>	HYDRAULIC BLOSYN 32	32	1.005	and a second		147			-
IMMULENTING191919191919191919191919IMMULENTING440.884.8113.81552233.343.333.34 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td>									-
increduct private increduct private 	HYDRAULIC BIOSYN 68	68	0.94	68.0	11.0	146	290	-36	-
INDERALUCIPNA S460.684.000.781522203.333.34INDERALUCIPN 1001000.781521533.233.233.243.35INDERALUCIPN 1001000.781531532.233.243.253.25INDERALUCIPN 1001000.881162.231.271.271.27INDERALUCIPN 201000.891101111842.269.47INDERALUCIPN 201000.891101111842.269.47INDERALUCIPN 201000.891001111842.269.47INDERALUCIPN 201000.891001111842.269.47INDERALUCIPN 201000.891001.111842.209.47INDERALUCIPN 201000.883.262.311.362.209.46INDERALUCIPN 201000.863.261.371.362.261.363.269.46INDERALUCIPN 201200.863.262.273.263.263.363.361.373.263.371.363.363.263.36	HYDRAULIC HVI 15	15	0.87	15.0	3.86	15	200	-33	0.55
HYDPALIC LYN 496464640103103122232633133633134HYDPALIC 27320.0737.00.5.81030.301.211HYDPALIC 37320.0737.00.5.81030.301.211HYDPALIC 37320.080.010.020.020.020.021.011	HYDRAULIC HVI 32								0.55
HOMBALLIC 271001001001001001021332200.87HOMBALLIC 37-0.0732.05.5.610332.0-12100HOMBALLIC 37-0.0732.05.5.610332.2-12100HOMBALLIC 304.80.884.6.04.871122.5.6-9100111482.2.7-9100111492.2.7-9100100111492.2.71000.9100111492.2.7-9100100111492.2.71000.9100111492.2.7100-0-0100111492.2.7100-0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.60</td>									0.60
INTPRAULU2392929590930930912913MCIPALUL23449084005801025427MCIPALUL231001006004008001025427MCIPALUL210100100000200800100100600400MIP32100000100111907007100MIP321000001001000001001007007MIP32100000100100000100100100100100MIP32100000100100100100100100100100100MIP43100000100 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.62</td></td<>									0.62
INDERALICAT-077070588138322-720INDERALICAT460.8646.045.0102324.299INDERALICAT100.9710011.17827.64.07INDERALICAT320.9720.05.8418422.099INDERALICAT480.884.0.06.8810320.099INDERALICAT480.884.0.06.881033.24.299INDERALICAT5.200.00.9610011.1982.20.04.69INDERALICAT5.200.00.964.004.611983.449.799DEVERALICAT5.200.00.964.004.611984.604.619DEVERALICAT19.019.019.02.222.994.644.639DEVERALICAT19.019.019.02.222.994.644.639DEVERALICAT19.019.019.02.222.972.844.6310DEVERALICAT19.019.019.019.02.222.972.844.6310DEVERALICAT19.019.019.019.019.019.019.019.01019.019.019.019.019.019.019.019.019.019.019.019.019.019.0									0.62
INPERALUCA INPE									0.45
HYDROLUCLO 6398.0010210222.09.0HYDROLUCLO 54120.0732.05.4610422.09.0HLP 46460.0846.06.881032.009.0HLP 46400.0840.06.877.92.004.3HLP 1001000.9810011.16.62.704.3URIVERA SYNTER 52.302.200.082.202.811.742.004.3URIVERA SYNTER 52.302.200.082.202.811.742.004.3URIVERA SYNTER 52.302.200.082.202.732.232.244.3URIVERA SYNTER 52.302.201.062.207.62.222.232.244.3URIVERA SYNTER 572.211.062.207.62.232.244.3URIVERA SYNTER 572.210.074.0011.12.112.263.3URIVERA SYNTER 572.210.072.001.142.263.31.1URIVERA SYNTER 572.210.072.002.21.142.263.31.1URIVERA SYNTER 572.210.072.002.21.142.263.31.1URIVERA SYNTER 572.200.271.142.263.31.11.12.102.21.1URIVERA SYNTER 572.200.271.142.263.31.11.11.11.11.11.1<									0.47
HOPALUE 10010010011.19927.04.4HLP 344.60.884.6.06.8813122.04.9HLP 454.60.884.6.06.8813122.04.9HLP 1001000.9310011.19822.04.6HLP 1001000.9310011.19822.04.6DRWERA SYMPHETCS 232000.8420025.31332.24-4.2DRWERA SYMPHETCS 244000.864604611302.84-37DRWERA SYMPHETCS 244001.801.802.84-37-38DRWERA SYMPHETCS 244001.801.802.84-37-38DRWERA SYMPHETCS 244001.801.802.84-38-38DRWERA SYMPHETCS 244001.974.907.232.84-37DRWERA SYMPHETCS 2404011.974.907.232.94-38DRWERA SYMPHETCS 2404011.974.907.232.94-38DRWERA SYMPHETCS 2404.971.972.942.94-38-38DRWERA SYMPHETCS 2404.971.974.942.94-38-38DRWERA SYMPHETCS 2404.971.972.94-34-38DRWERA SYMPHETCS 2404.971.972.94-38-38DRWERA SYMPHETCS 2404.971.972.94-38-38DRWERA SYMPHETCS 240 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.55</td>									0.55
HLP 269292925.46104929494HLP 26480.8866.08.779726.899HLP 101000.9910011.19627.0-4.94.0DHIVELS SYNTHEID 5 202200.863.203.3.31.332.42-4.3DHIVELS SYNTHEID 5 302000.864.006.606.521.972.64-3.9DHIVELS SYNTHEID 5 404.000.864.006.606.521.972.64-3.9DHIVELS SYNTHEID 5 404.000.864.006.602.622.972.84-3.9DHIVELS SYNTHEID 5 404.001.903.003.522.632.84-3.9-3.9DHIVELS SYNTHEID 2001.901.903.003.522.642.84-3.9-3.9DHIVELS SYNTHEID 2012.911.902.903.642.972.84-3.9-3.9DHIVELS SYNTHEID 2012.911.907.952.84-3.9-3.9-3.9-3.9DHIVELS SYNTHEID 2010.972.932.921.122.94-3.9-3.9-3.9DHIVELS SYNTHEID 2020.907.952.241.902.9-3.9-3.9-3.9DHIVELS SYNTHEID 2030.972.931.121.912.94-3.9-3.9-3.9DHIVELS SYNTHEID 2040.901.901.921.912.94-3.9-3.9-									0.58
IntI									0.30
IntI								-9	0.34
UNIVER ANY INTER 5 \$20200.8.62022.114014024.0-4.2DRIVER ANY INTER 5 \$2.04.6.04.6.04.7.11595.4.2-4.2-4.2DRIVER ANY INTER 5 \$2.04.6.04.6.04.7.11595.4.2-3.9-4.2DRIVER ANY INTER 5 \$2.010.610.02.2.22.0.72.3.4-4.2-3.9DRIVER ANY INTER 5 \$2.02.01.0.61.0.02.2.22.0.72.3.4-4.2-4.2DRIVER ANY INTER 5 \$2.02.01.0.63.0.05.2.22.7.72.3.4-3.0.0-3.0DRIVER ANY INTER 5 \$2.02.01.0.76.0.01.1.12.6.13.7.4-3.0.0-3.	HLP 68	68	0.88	68.0	8.77	99	248	-9	0.40
Dirich Six of a star of a sta	HLP 100	100	0.89	100	11.1	96	270	-6	0.40
DRIVED SYNTHETICS \$4.000.6.00.6.04.0.04.7.119.919.019.019.0DRIVED SYNTHETICS \$4.009.000.0.013.026.220.028.4-2.0DRIVED SYNTHETICS \$4.009.0010.030.057.220.028.4-4.2DRIVED SYNTHETICS \$4.004.0017.04.0075.220.028.4-4.2DRIVED SYNTHETICS \$4.004.0011.026.111.424.6-33.0-34.0DRIVED SYNTHETICS \$4.004.0010.04.0011.126.132.8-30.0DRIVED SYNTHETICS \$4.004.0010.022.022.311.024.0-30.0DRIVED SY 57.002.00.872.202.2.311.024.0-30.0DRIVED SY 57.002.00.872.202.2.311.0-30.0-2.4DRIVED SY 57.002.00.874.0030.011.02.0-2.4DRIVED SY 57.002.000.0030.011.410122.6-1.2DRIVED SY 57.0010.00.8910.011.410122.6-1.2DRIVED SY 57.0010.00.9010.011.410122.6-1.2DRIVED SY 57.002.00.030.011.410122.6-1.2DRIVED SY 57.002.00.030.011.41012.6-1.2DRIVED SY 57.002.00.030.011.410.02.6-1.	DRIVERA SYNTHETIC S 220	220	0.86	220	26.1	149	240	-45	0.68
DRIVERASYNTHETCS 5000.060.060.07 <t< td=""><td>DRIVERA SYNTHETIC S 320</td><td>320</td><td>0.86</td><td>320</td><td>35.3</td><td>153</td><td>242</td><td>-42</td><td>0.68</td></t<>	DRIVERA SYNTHETIC S 320	320	0.86	320	35.3	153	242	-42	0.68
DRNMER SYNTHETIC W 130150150150150242209282-46DRNMEA SYNTHETIC W 24020010633054.2237284-39DRNMEA SYNTHETIC W 24040010746076.3246284-36DRNMEA SYNTHETIC W 360460107660111261286-33DRNMEA SYNTHETIC W 360460107660111261286-33DRNMEA SYNTHETIC W 3604601087120122224-30DRNMEA SY 250201187220223119281-30DRNMEA SY 26446010846087.7125234-27DRNMEA SY 26446010846087.0101Min 250-7DRNMEA SY 26446010946087.010122.6-12DRNMEA SY 26410946087.0102218-12DRNMEA SY 26410918810011.410122.6-12DRNMEA SY 2719820-24-12-12-12DRNMEA SY 2719820-24-12-12DRNMEA SY 272019824.796228-12DRNMEA SY 272019824.796228-12DRNMEA SY 272019827.796226-12DRNMEA SY 272020-12-12-12DRNMEA SY 27 </td <td>DRIVERA SYNTHETIC S 460</td> <td>460</td> <td>0.86</td> <td>460</td> <td>47.1</td> <td>159</td> <td>248</td> <td>-39</td> <td>0.70</td>	DRIVERA SYNTHETIC S 460	460	0.86	460	47.1	159	248	-39	0.70
DRNEPAS NUTHETIC W3020010.620037.620020.4-4.2DRNEPAS NUTHETIC W304.0010.74.007.6.32.6.42.8.4-3.6.4DRNEPAS NUTHETIC W304.0010.74.0.07.6.32.6.42.8.4-3.6.4DRNEPAS SYLTERU W304.0.00.0.8.7110.016.2114.42.8.6-3.6.4DRNEPAS SYLTERU W304.0.00.0.8.7110.010.62.2.4-3.0-3.0DRNEPAS SYLTERU W304.0.00.0.8.84.0.02.7.211.72.2.4-3.0-3.0DRNEPAS SYLTERU W304.0.00.0.8.84.0.02.0.710.72.2.4-3.0<	DRIVERA SYNTHETIC S 680								0.70
DRIVED SYNTHETIC W 303.001.0.63.005.4.22.072.043.04									0.06
DRIVERAS SYNTHETIC VA0064010744075.324.628.433.6DRIVERAS ST1501500.8715016211424.633.6DRIVERAS ST4501300.8715016222.311920.633.6DRIVERAS ST4202300.8820.027.312523.6-0.010.0DRIVERAS ST4504600.9846050.2110Min.50-7.6DRIVERAS ST4504600.9846080.010.011.221.0-7.6DRIVERAS ST4504600.99460.080.010.011.221.0-7.6DRIVERAS VARAS4600.99460.080.010.011.221.0-7.6DRIVERAS VARAS20.00.0022.019.640.022.010.011.210.022.0DRIVERAS VARAS4000.9146.030.77620.0-7.210.0 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.06</td></td<>									0.06
IDR/VERA SYNTHETIC V.60660110764011124128633.3DR/VERA ST 2302300.8723022311923830DR/VERA ST 2402300.8822023912223430DR/VERA ST 2404600.8846037712323427DR/VERA ST 2404600.8846032.0101Min 250-9DR/VERA VAGO6600.896.808.90102218-12DR/VERA VAGO660.996.808.90102218-12GEAR OLE P 1001000.9015015.2100224-12GEAR OLE P 2002300.9032024.796238-12GEAR OLE P 4006000.9160039.595266-12GEAR OLE P 4006000.9160039.595266-12DR/VERA SMR 100-10.0119901181-Min 220-DR/VERA SMR 180-10.03226002364.1Min 220-DR/VERA SMR 200-10.3105204631.04.10226-12DR/VERA SMR 400-1.03105204631.0224-12DR/VERA SMR 200-1.03105204631.0224-12DR/VERA SMR 400-1.03105204631.0224-12DR/VER									0.07
DRNEPA SF 1931500 0 715016211424433DRNEPA SF 2022330.8820022.311923.4									0.08
DRIVERA SF 2202200.0722022011923830DRIVERA SF 2404000.88440377125234-20DRIVERA SF 24004400.88440327125234-20DRIVERA SF 24004400.8944032.0101Min 250-2DRIVERA SF 24004400.9946032.0101Min 250-2DRIVERA SF 24001000.9966.08.90102218-12DRIVERA SF 2401000.9015015.2100224-12GEAR OIL EP 1501500.902002024.796238-12GEAR OIL EP 2402000.9032024.796238-12-12GEAR OIL EP 4806400.9168039.595266-12-12DRIVERA SMR 180-1.001.90123-Min 220DRIVERA SMR 240-1.0322690236-Min 220DRIVERA SMR 240-1.03105.2046.31.04222-12-DRIVERA SMR 240-1.03105.2046.31.04222-12-DRIVERA SMR 240-1.03105.2046.31.04222DRIVERA SMR 240-1.03105.2046.31.04222DRIVERA SMR 240- <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.10 0.73</td></td<>									0.10 0.73
DRVEPAS SF 20103200.08320929123224-30DRVEPAS F 5806600.0866050.21792.00-2.4-2.7DRVEPAS F 5806600.0866050.21792.00-2.4-2.7DRVEPAS F 5806600.096608.000.02118-1.2-1.2DRVEPAS F 5801001000.9968.08.001022.18-1.2-1.2DEAT OLLE P 1001000.9910011.41002.26-1.2-1.2DEAT OLLE P 2002.200.902.2019.67.92.36-1.2-1.2DEAT OLLE P 2002.000.903.202.477.92.36-1.2-1.2DEAT OLLE P 2002.000.903.202.477.92.46-1.2 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.73</td>									0.73
DRWERASFFA014400.886460977125234-72DRWERASFFA016400.90646052.0110Min 250-9GEAR OLE P 60680.8968.06.90102218-12GEAR OLE P 1001500.9015015.2100226-12GEAR OLE P 1001500.902201969236-12GEAR OLE P 120200.902201969236-12GEAR OLE P 20200.9032024.779242-12GEAR OLE P 4004000.7146030779242-12GEAR OLE P 40040010018839.59526.6-12DRWERAS MR 105-1005380107-Min 220-DRWERAS MR 120-10119910181-Min 220-DRWERAS MR 400-10322640286-Min 220-DRWERAS MR 400-103105200463104222-557COMPRESSOR 0LI 54460.86102258113244-12COMPRESSOR 0LI 54460.8846.068.2103244-12COMPRESSOR 0LI 54460.8846.068.5104222-152COMPRESSOR 0LI 54460.8846.068.77226-66COMPRESSOR 0LI 5468 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.72</td></td<>									0.72
IPRVERA6400.086400.02172.00.40IPRVERA6400.090.000.000.100.120.120.12IPRVERA1001000.090.001140.02180.120.12IPRVERA1001000.090.001140.002260.120.12IPRVERA1001000.091001140.002260.120.12IPRVERA1000.001000.001002260.120.12IPRVERA1000.000.000.000.00962.260.12IPRVERA1000.000.000.00962.260.120.12IPRVERA1000.000.000.00962.260.120.12IPRVERA1000.000.000.000.000.000.000.120.12IPRVERA1000.000.000.000.000.000.000.000.00IPRVERA1000.000.000.000.000.000.000.000.000.00IPRVERA1000.000.000.000.000.000.000.000.000.000.00IPRVERA1000.000.000.000.000.000.000.000.000.000.00IPRVERA1000.000.000.000.000.000.00 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.72</td></td<>									0.72
IPRIVERA W4.4004400909440082.0101Min.200-9.9GEAR OIL EP 1001000.8910011.410122.18-1.2GEAR OIL EP 1001500.7015015.210022.8-1.2GEAR OIL EP 2022.200.902.2019.69623.6-1.2GEAR OIL EP 3203200.9032.024.79623.6-1.2GEAR OIL EP 4004600.9146030.79624.2-1.2GEAR NIL EP 4004600.9146030.79624.2-1.2DRIVERA SMR 105-10.0538010.7-Min.220-DRIVERA SMR 108-10.090.013.3-Min.220-DRIVERA SMR 220-1.0322.69023.6-Min.220-DRIVERA SMR 280-1.03105.20046.3-Min.220-DRIVERA SMR 460-1.03105.20046.31.0Min.220-DRIVERA SMR 460-1.03105.20046.31.0322.4-15COMPRESSOR 0IL 5 46460.863.010.322.6-6COMPRESSOR 0IL 5 4460.866.8110.423.2-12COMPRESSOR 0IL 5 4680.8710.83.2-6-6COMPRESSOR 0IL 5 4680.866.8710.82.0-2.2COMPRESSOR 0IL 5									0.73
ICEAR OIL EP &B680.089100114101224-12ICEAR OIL EP 1301500.90150152100226-12ICEAR OIL EP 2302200.9022019.696238-12ICEAR OIL EP 4304600.9020020.796238-12ICEAR OIL EP 4404600.9146039.796238-12ICEAR OIL EP 4404600.9146039.79526.6-12ICEAR OIL EP 440-10.0580010.7Min 220ICEAR OIL EP 440-10.013.91013.1-Min 220ICEAR OIL EP 440-10.013.024.6-Min 220ICEAR OIL EP 440-10.013.024.6-Min 220ICEAR OIL SA 54460.946.065.810.022.2ICEAR OIL SA 54460.846.065.810.022.2ICEAR OIL S						101	Min 250		0.38
IDEAR OIL EP 150150150152100226-12IGEAR OIL EP 2303200.96022019.696236-12IGEAR OIL EP 2303200.90032024.796236-12IGEAR OIL EP 4606400.9146030.79622.8-12IGEAR OIL EP 46064090.9146030.79622.8-12IGEAR OIL EP 46064090.9146030.79622.8-12IDRIVERA SMR 105-10.0099.80117-Min 220-IDRIVERA SMR 130-10.0099.8012.8-Min 220-IDRIVERA SMR 180-10.1013.91018.1-Min 220-IDRIVERA SMR 280-10.233.10028.4-Min 220-IDRIVERA SMR 460-10.3102.0046.3-Min 220-IDRIVERA SMR 4602.00IDRIVERA SMR 460460.9646.06.8410.42.22-IDRIVERA SMR 4601.520.8630.01.831.002.22IDRIVERA SMR 4601.640.9646.06.8410.42.44IDRIVERA SMR 4601.640.868.8210.02.22IDRIVERA SMR 4601.646.868.8610.02.26		68	0.89	68.0	8.90	102	218	-12	0.15
IDEAR OIL EP 220 220 0.90 220 19.6. 96.6 226.6 -12   GEAR OIL EP 320 320 0.90 320 24.7 96 238 -12   GEAR OIL EP 460 640 0.91 460 37.7 96 228 -12   GEAR OIL EP 680 690 0.91 460 37.5 95 266 -12   DRIVERA SMR 105 - 1.00 9980 123 - Min 220 -   DRIVERA SMR 120 - 1.01 13910 181 - Min 220 -   DRIVERA SMR 220 - 1.02 3100 284 - Min 220 -   DRIVERA SMR 220 - 1.03 10520 43.3 - Min 220 -   DRIVERA SMR 400 - 1.03 10520 43.3 170 226 -   COMPRESOR OIL 5.32 32 0.86 32.0 5.58 112 224 -15   COMPRESOR OIL 5	GEAR OIL EP 100	100	0.89	100	11.4	101	224	-12	0.17
GEAR OIL EP 3203200.9032024.796238-12GEAR OIL EP 4606600.9146030.79624.2-12GEAR OIL EP 4606600.9168039.5952.6612DRIVERA SMR 105-10.09800107-Min 200-DRIVERA SMR 130-10.098001234.0Min 200-DRIVERA SMR 130-1.0113910181-Min 200-DRIVERA SMR 220-1.0322690236-Min 200-DRIVERA SMR 280-1.03105200463-Min 200-DRIVERA SMR 460640.9946.08.83170276-57COMPRESSOR 01L 532320.8632.05.58112224-15COMPRESSOR 01L 546640.8646.06.84104232-12COMPRESSOR 01L 546680.8646.06.86103244-12COMPRESSOR 01L 54680.866.861.4.996232-6COMPRESSOR 01L 54680.886.8.08.6790226-6COMPRESSOR 01L 56680.866.8.4104234-2COMPRESSOR 01L 501.5811.4.996232-6-6HIFREZE A 58680.896.0.06.7430200-33MOLD 01.00.7<	GEAR OIL EP 150	150	0.90	150	15.2	100	226	-12	0.17
IOBEAR OIL EP 460 460 90.7 96 242 -12   GEAR OIL EP 680 680 0.91 680 39.5 96 266 -12   DRIVERA SKR 105 - 1.00 9080 123 - Min 220 -   DRIVERA SKR 130 - 1.01 19910 181 - Min 220 -   DRIVERA SKR 220 - 1.03 22690 236 - Min 220 -   DRIVERA SKR 280 - 1.03 105200 463 - Min 220 -   DRIVERA SKR 460 - 1.03 105200 463 - Min 220 -   COMPRESSOR 015 32 20 86 32.0 5.58 112 22.4 -15   COMPRESSOR 0115 32 20 86 36.0 6.87 100 22.2 -9   COMPRESSOR 0115 46 68 0.88 68.0 8.67 96 22.6 -6   COMPRESSOR 0115 46 0.88 <t< td=""><td>GEAR OIL EP 220</td><td>220</td><td>0.90</td><td>220</td><td>19.6</td><td>96</td><td>236</td><td>-12</td><td>0.17</td></t<>	GEAR OIL EP 220	220	0.90	220	19.6	96	236	-12	0.17
GEAR OLL EP &806800.9168039.595266-12DRIVERA SWR 105-1.005380107-Min 220-DRIVERA SWR 130-1.00960123-Min 220-DRIVERA SWR 180-1.0113910181-Min 220-DRIVERA SWR 220-1.0233100284-Min 220-DRIVERA SWR 260-1.0310520463-Min 220-DRIVERA SWR 460-1.031052046312260-DRIVERA SWR 460260-COMPRESSOR 0LL 5464640.8632.05.58112224-15COMPRESSOR 0LL 5464640.8646.06.84104232-12COMPRESSOR 0LL 5464640.8846.06.85103244-COMPRESSOR 0LL 5464640.8868.08.6796226-6COMPRESSOR 0LL 5401500.89100114.996232-6COMPRESSOR 0LL 501500.89100114.996232-6COMPRESSOR 0LL 501500.89100114.996232-6COMPRESSOR 0LL 501500.89100114.996232-6COMPRESSOR 0LL 501500.89100114.996240-6MULD 0LL 02	GEAR OIL EP 320	320	0.90	320	24.7	96	238	-12	0.19
DRIVERA SMR 105 - 100 5380 107 - Min 220 -   DRIVERA SMR 130 - 1.00 9080 123 - Min 220 -   DRIVERA SMR 130 - 1.01 13910 181 - Min 220 -   DRIVERA SMR 280 - 1.02 33100 284 - Min 220 -   DRIVERA SMR 280 - 1.03 105200 2463 - Min 220 -   DRIVERA SMR 460 - 1.03 105200 2463 - Min 220 -   COMPRESSOR 01L 542 424 0.99 46.0 8.83 170 224 -15   COMPRESSOR 01L 545 464 0.86 32.0 5.58 100 222 -9   COMPRESSOR 01L 545 68 0.87 68.0 8.82 103 244 -12   COMPRESSOR 01L 100 100 0.89 150 1.49 96 240 -6   COMPRES	GEAR OIL EP 460		0.91						0.19
DRIVERA SMR 130-110123-Min 220-DRIVERA SMR 180-10113910181-Min 220DRIVERA SMR 220-10322690236-Min 220DRIVERA SMR 280-10233100284-Min 220DRIVERA SMR 280-10233100286-Min 220DRIVERA SMR 280-10233100286-Min 220DRIVERA SMR 280150-260DRIVERA SMR 48060.946.08.831702766.57-COMPRESSOR 01L 5 46460.8632.05.88102222-12-COMPRESSOR 01L 5 48460.8846.06.84104232-12-COMPRESSOR 01L 5 46460.8846.06.8770222-9-COMPRESSOR 01L 68680.886.608.8770220-6-6-COMPRESSOR 01L 68680.866.6114.996220-6-6COMPRESSOR 01L 501500.8910011.470250-42-6		680				95		-12	0.19
DRIVERA SMR 180 - 101 13910 181 - Min 220 -   DRIVERA SMR 220 - 1.03 22690 236 - Min 220 -   DRIVERA SMR 280 - 1.03 105200 264 - Min 220 -   DRIVERA SMR 460 - 1.03 105200 463 - Min 220 -   HTACK H - - - 1150 - 260 -   COMPRESSOR OIL 5.32 32 0.86 32.0 5.58 12 22.4 -15   COMPRESSOR OIL 5.46 46 0.86 46.0 6.82 103 24.4 -12   COMPRESSOR OIL 5.68 68 0.87 66.0 8.67 76 22.6 -6   COMPRESSOR OIL 6.64 0.89 100 11.4 96 232 -6 -6   COMPRESSOR OIL 100 100 0.89 100 11.4 96 240 -6 -7   H		-				-		-	-
DRIVERA SMR 220 - 1.03 22690 236 - Min 220 -   DRIVERA SMR 260 - 1.02 33100 284 - Min 220 -   DRIVERA SMR 260 - 1.03 3100 264 - Min 220 -   HITACK H - - - 1150 - 260 -   AEROL SYNTHETIC 546 464 0.99 46.0 8.83 170 274 -57   COMPRESSOR OIL 546 46 0.86 46.0 6.84 104 232 -12   COMPRESSOR OIL 546 46 0.86 46.0 6.81 100 224 -12   COMPRESSOR OIL 46 464 0.88 66.0 8.67 96 226 -6   COMPRESSOR OIL 46 68 0.88 66.0 8.67 96 226 -6   COMPRESSOR OIL 150 0.89 100 11.4 96 232 -6   COMPRESSOR OIL 150 0.89 <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>-</td> <td>-</td>		-				-		-	-
DRIVERA SMR 280 - 1.02 33100 284 - Min 220 -   DRIVERA SMR 260 - 1.03 105200 463 - Min 220 -   DRIVERA SMR 260 - - 1150 - 260 -   AEROL SYNTHETIC 5 46 46 0.99 46.0 8.83 170 276 -57   COMPRESSOR 0IL 5 32 32 0.86 32.0 55.8 112 224 -15   COMPRESSOR 0IL 5 46 46 0.86 64.0 6.84 104 232 -12   COMPRESSOR 0IL 5 46 68 0.87 66.0 8.82 103 224 -12   COMPRESSOR 0IL 64 46 0.86 68.0 8.67 96 226 -6   COMPRESSOR 0IL 150 150 0.89 150 14.9 96 240 -6   COMPRESSOR 0IL 150 150 0.89 68.0 6.74 30 200 -33   MOLD 0IL N 01						-		-	-
DRIVERA SMR 460·1.03105200463·Min 220··HITACK H····200··200··AEROL SYNTHETIC 5.66660.9946.08.83170224.15··COMPRESSOR 0IL 5.82320.8632.05.58112224.15··COMPRESSOR 0IL 5.86680.861068.82100222.12··COMPRESSOR 0IL 5.86680.8868.08.82100222.99··COMPRESSOR 0IL 46460.8868.08.8796226.66··· <t< td=""><td></td><td>-</td><td></td><td></td><td></td><td>-</td><td></td><td></td><td>-</td></t<>		-				-			-
HITACK H1150-260-AEROL SYNTHETIC S 46460.9946.08.83170276657COMPRESSOR OIL S 32320.8632.05.88112224-15COMPRESSOR OIL S 34640.8646.06.84104232-12COMPRESSOR OIL S 68680.8768.08.82103244-12COMPRESSOR OIL 56680.8868.08.8796226-6COMPRESSOR OIL 68680.8868.08.7996226-6COMPRESSOR OIL 1001000.8910011.496232-6COMPRESSOR OIL 1501500.891508.75108220-4HIRREZE A 68680.868.75108200-33-42HIRREZE A 68680.9068.06.7430200-33MOLD OIL N 018.62MOLD OIL C028.12TERBIN M 32320.8432.05.92131242-12TERBIN M 46460.8646.07.61130250-12TERBIN P 24320.8632.05.92131242-12TERBIN M 46460.8646.07.61130250-12TERBIN M 46460.8646.06.95		12				_		_	-
AEROL SYNTHETIC S 46 46 0.99 46.0 8.83 170 276 5.77   COMPRESSOR OIL S 32 32 0.86 32.0 5.58 112 224 -15   COMPRESSOR OIL S 32 32 0.86 32.0 5.58 112 224 -12   COMPRESSOR OIL S 46 68 0.87 68.0 8.82 103 244 -12   COMPRESSOR OIL 46 46 0.88 68.0 8.67 96 226 -6   COMPRESSOR OIL 160 100 0.89 100 11.4 96 232 -6   COMPRESSOR OIL 150 150 0.89 150 14.9 96 240 -6   COMPRESSOR OIL 150 150 0.89 150 14.9 96 240 -6   IHREEZE A 68 68 0.86 6.7 30 200 -33   MOLD 01L 01 - - 8.68 - - -   MOLD 01L 02 - -		_	-	-		_		_	_
ICOMPRESSOR OIL S 32 32 0.86 32.0 5.58 112 224 -15   COMPRESSOR OIL S 46 46 0.86 46.0 6.84 104 232 -12   COMPRESSOR OIL S 68 68 0.87 68.0 8.82 103 244 -12   COMPRESSOR OIL 56 68 0.88 46.0 6.85 100 222 -9   COMPRESSOR OIL 68 68 0.89 100 11.4 96 232 -6   COMPRESSOR OIL 100 100 0.89 100 11.4 96 232 -6   COMPRESSOR OIL 150 150 0.89 160 1.49 96 240 -6   HIFREEZE A 68 68 0.90 68.0 8.95 108 250 -422   HIFREEZE A 68 68 0.90 68.0 6.74 30 200 -33   MOLD OIL N02 - - 8.12 - - - -   MOLD OIL N2		46	0.99	46.0		170		-57	-
COMPRESSOR OIL 5 68 68 0.87 68.0 8.82 103 244 -12   COMPRESSOR OIL 46 46 0.88 46.0 6.85 100 2222 -9   COMPRESSOR OIL 68 68 0.88 0.80 8.67 96 226 -6   COMPRESSOR OIL 100 100 0.89 100 11.4 96 232 -6   COMPRESSOR OIL 150 150 0.89 150 14.9 96 240 -6   HIFREEZE A 68 68 0.86 68.0 8.95 108 250 -42   HIFREEZE R 68 68 0.90 68.0 6.74 30 200 -33   MOLD OIL N 01 - - 8.68 - - - -   MOLD OIL N 02 - - 8.68 - - - - -   MOLD OIL C 02 - - 8.68 - - - - - - <t< td=""><td>COMPRESSOR OIL S 32</td><td>32</td><td>0.86</td><td>32.0</td><td>5.58</td><td>112</td><td>224</td><td>-15</td><td>0.21</td></t<>	COMPRESSOR OIL S 32	32	0.86	32.0	5.58	112	224	-15	0.21
COMPRESSOR OIL 46 46 0.88 46.0 6.85 100 222 -9   COMPRESSOR OIL 68 68 0.88 68.0 8.67 96 226 -6   COMPRESSOR OIL 100 100 0.89 100 11.4 96 232 -6   COMPRESSOR OIL 150 100 0.89 100 11.4 96 232 -6   HIREZE A 68 68 0.80 68.0 8.95 108 250 -42   HIREZE R 58 68 0.90 68.0 6.74 30 200 -33   MOLD 01L N 01 - - 8.68 - - - - -   MOLD 01L 02 - - 8.12 - - 162 - -   MOLD 01L 02 - 0.89 46.3 - - - -   TERBIN M 32 32 0.86 32.0 5.58 112 218 -   TERBIN M 46 46	COMPRESSOR OIL S 46	46	0.86	46.0	6.84	104	232	-12	0.22
COMPRESSOR OIL 68 68 0.88 66.0 8.67 96 226 -6   COMPRESSOR OIL 100 100 0.89 100 11.4 96 232 -6   COMPRESSOR OIL 150 150 0.89 150 14.9 96 240 -6   HIFREZE A 68 68 0.80 68.0 8.95 108 250 -42   HIFREZE R 68 68 0.90 68.0 6.74 30 200 -33   MOLD 0IL N 01 - - 8.68 - - - -   MOLD 0IL N 02 - - 8.12 - - 162 -   MOLD 0IL C 02 - - 41.6 - - 162 -   TERBIN M 32 32 0.84 32.0 5.92 131 242 -12   TERBIN M 46 46 0.85 46.0 7.61 130 250 -12   TERBIN M 46 46 0.86	COMPRESSOR OIL S 68	68	0.87	68.0	8.82	103	244	-12	0.25
COMPRESSOR OIL 100 100 0.89 100 11.4 96 232 -6   COMPRESSOR OIL 150 150 14.9 96 240 -6   HIFREZZ A 68 68 0.89 150 14.9 96 240 -6   HIFREZZ A 68 68 0.89 68.0 8.95 108 250 -42   HIFREZZ A 68 68 0.90 68.0 6.74 30 200 -33   MOLD 0IL N 01 - - 8.12 - - 154 -   MOLD 0IL C - 0.89 46.3 - - 162 - -   MOLD 0IL C - 0.89 46.3 - - 162 - -   TERBIN M 32 32 0.84 32.0 5.52 131 242 -   TERBIN M 46 46 0.86 32.0 5.58 112 218 -9   TERBIN P 46 68 0.87 68.0 <td>COMPRESSOR OIL 46</td> <td>46</td> <td>0.88</td> <td>46.0</td> <td>6.85</td> <td>100</td> <td>222</td> <td>-9</td> <td>0.28</td>	COMPRESSOR OIL 46	46	0.88	46.0	6.85	100	222	-9	0.28
COMPRESSOR OIL 150 150 0.89 150 14.9 96 240 -6   HIFREZZ A 68 68 0.86 68.0 8.95 108 250 -42   HIFREZZ R 68 68 0.90 68.0 6.74 30 200 -33   MOLD OIL N 01 - - 8.68 - - - -   MOLD OIL N 02 - - 8.12 - - 152 -   MOLD OIL C - - 8.16 - - 152 -   MOLD OIL C - - 8.16 - - 152 -   MOLD OIL C - - 0.89 46.3 - - - -   TERBIN M 32 32 0.84 32.0 5.92 131 242 -12   TERBIN M 46 46 0.85 46.0 6.95 108 224 -9   TERBIN P 46 68 0.87 68.0									0.29
HIFREEZE A 68 68 0.86 68.0 8.95 108 250 -42   HIFREEZE R 68 68 0.90 68.0 6.74 30 200 -33   MOLD OIL N 01 - - 8.68 -									0.29
HIFREEZE R 68 68 0.90 68.0 6.74 30 200 -33   MOLD OIL N 01 - - 8.68 - - - -   MOLD OIL N 02 - - 8.12 - - 154 -   MOLD OIL C - - 41.6 - - 162 -   MOLD OIL C 02 - 0.89 46.3 - - - -   TERBIN M 32 32 0.84 32.0 5.92 131 242 -12   TERBIN M 46 46 0.85 46.0 7.61 130 250 -12   TERBIN M 46 46 0.86 46.0 6.95 108 224 -9   TERBIN P 52 32 0.86 32.0 5.58 112 236 -18   TERBIN T 32 32 0.86 32.0 5.58 112 236 -18   TERBIN T 46 46 0.86 46.0									0.31
MOLD OIL N 01 - - 8.68 - - - -   MOLD OIL N 02 - - 8.12 - - 154 -   MOLD OIL C - - 41.6 - - 162 -   MOLD OIL C 02 - 0.89 46.3 - - - -   TERBIN M 32 32 0.84 32.0 5.92 131 242 -12   TERBIN M 46 46 0.85 46.0 7.61 130 250 -12   TERBIN E 932 32 0.86 32.0 5.58 112 218 -9   TERBIN E 946 46 0.86 46.0 6.95 108 224 -9   TERBIN E 946 46 0.86 32.0 5.58 112 236 -9   TERBIN T 32 32 0.86 32.0 5.58 112 236 -9   TERBIN T 46 46 0.86 46.0 6									0.01
MOLD OIL N 02 - - 8.12 - - 154 -   MOLD OIL C - - 41.6 - - 162 -   MOLD OIL C 02 - 0.89 46.3 - - - -   TERBIN M 32 32 0.84 32.0 5.92 131 242 -12   TERBIN M 46 46 0.85 46.0 7.61 130 2500 -12   TERBIN EP 32 32 0.86 32.0 5.58 112 218 -9   TERBIN EP 32 32 0.86 32.0 5.58 112 218 -9   TERBIN EP 46 46 0.86 46.0 6.95 108 224 -9   TERBIN T 32 32 0.86 32.0 5.58 112 236 -18   TERBIN T 46 46 0.86 46.0 6.84 104 244 -9   TERBIN T 46 68 0.87 68.0									<0.02
MOLD OIL C - - 41.6 - - 162 -   MOLD OIL C 02 - 0.89 46.3 - - - -   TERBIN M 32 32 0.84 32.0 5.92 131 2422 -12   TERBIN M 46 46 0.85 46.0 7.61 130 250 -12   TERBIN EP 32 32 0.86 32.0 5.58 112 218 -9   TERBIN EP 32 32 0.86 46.0 6.95 108 224 -9   TERBIN EP 46 46 0.86 46.0 6.95 108 224 -9   TERBIN EP 68 68 0.87 68.0 9.12 104 234 -9   TERBIN T 32 32 0.86 32.0 5.58 112 236 -18   TERBIN T 46 46 0.86 46.0 6.84 104 244 -9   TERBIN T 100 100 0.88									-
MOLD OIL C 02 - 0.89 46.3 -									_
TERBIN M 32320.8432.05.92131242-12TERBIN M 46460.8546.07.61130250-12TERBIN EP 32320.8632.05.58112218-9TERBIN EP 46460.8646.06.95108224-9TERBIN EP 68680.8768.09.12104234-9TERBIN T 32320.8632.05.58112236-18TERBIN T 46460.8646.06.84104244-9TERBIN T 68680.8768.08.82103250-9TERBIN T 1001000.8810011.298264-9TERBIN 32320.8732.05.44104236-9TERBIN 46460.8846.06.78102244-9TERBIN 68680.8868.08.69100250-9									_
TERBIN M 46460.8546.07.61130250-12TERBIN EP 32320.8632.05.58112218-9TERBIN EP 46460.8646.06.95108224-9TERBIN EP 68680.8768.09.12104234-9TERBIN T 32320.8632.05.58112236-18TERBIN T 46460.8646.06.84104244-9TERBIN T 68680.8768.08.82103250-9TERBIN T 1001000.8810011.298264-9TERBIN 32320.8732.05.44104236-9TERBIN 46460.8846.06.78102244-9TERBIN 68680.8868.08.69100250-9									0.04
TERBIN EP 32 32 0.86 32.0 5.58 112 218 -9   TERBIN EP 46 46 0.86 46.0 6.95 108 224 -9   TERBIN EP 46 68 0.87 68.0 9.12 104 234 -9   TERBIN T 32 32 0.86 32.0 5.58 112 236 -18   TERBIN T 32 32 0.86 32.0 5.58 112 236 -9   TERBIN T 46 46 0.86 46.0 6.84 104 244 -9   TERBIN T 68 68 0.87 68.0 8.82 103 250 -9   TERBIN T 100 100 0.88 100 11.2 98 264 -9   TERBIN 32 32 0.87 32.0 5.44 104 236 -9   TERBIN 46 46 0.88 46.0 6.78 102 244 -9   TERBIN 68 68 0.88									0.04
TERBIN EP 68 68 0.87 68.0 9.12 104 234 -9   TERBIN T 32 32 0.86 32.0 5.58 112 236 -18   TERBIN T 32 32 0.86 32.0 5.58 112 236 -18   TERBIN T 46 46 0.86 46.0 6.84 104 244 -9   TERBIN T 68 68 0.87 68.0 8.82 103 250 -9   TERBIN T 100 100 0.88 100 11.2 98 264 -9   TERBIN 32 32 0.87 32.0 5.44 104 236 -9   TERBIN 46 46 0.88 46.0 6.78 102 244 -9   TERBIN 68 68 0.88 68.0 8.69 100 250 -9									0.10
TERBIN T 32 32 0.86 32.0 5.58 112 236 -18   TERBIN T 46 46 0.86 46.0 6.84 104 244 -9   TERBIN T 46 68 0.87 68.0 8.82 103 250 -9   TERBIN T 100 100 0.88 100 11.2 98 264 -9   TERBIN 32 32 0.87 32.0 5.44 104 236 -9   TERBIN 46 46 0.88 46.0 6.78 102 244 -9   TERBIN 68 68 0.88 68.0 8.69 100 250 -9	TERBIN EP 46	46	0.86	46.0	6.95	108	224	-9	0.15
TERBIN T 46 46 0.86 46.0 6.84 104 244 -9   TERBIN T 68 68 0.87 68.0 8.82 103 250 -9   TERBIN T 100 100 0.88 100 11.2 98 264 -9   TERBIN 32 32 0.87 32.0 5.44 104 236 -9   TERBIN 46 46 0.88 46.0 6.78 102 244 -9   TERBIN 68 68 0.88 68.0 8.69 100 250 -9	TERBIN EP 68	68	0.87	68.0	9.12		234	-9	0.14
TERBIN T 68 68 0.87 68.0 8.82 103 250 -9   TERBIN T 100 100 0.88 100 11.2 98 264 -9   TERBIN 32 32 0.87 32.0 5.44 104 236 -9   TERBIN 46 46 0.88 46.0 6.78 102 244 -9   TERBIN 68 68 0.88 68.0 8.69 100 250 -9									0.14
TERBIN T 100 100 0.88 100 11.2 98 264 -9   TERBIN 32 32 0.87 32.0 5.44 104 236 -9   TERBIN 46 46 0.88 46.0 6.78 102 244 -9   TERBIN 68 68 0.88 68.0 8.69 100 250 -9									0.15
TERBIN 32 32 0.87 32.0 5.44 104 236 -9   TERBIN 46 46 0.88 46.0 6.78 102 244 -9   TERBIN 68 68 0.88 68.0 8.69 100 250 -9									0.15
TERBIN 46 46 0.88 46.0 6.78 102 244 -9   TERBIN 68 68 0.88 68.0 8.69 100 250 -9									0.15
TERBIN 68 68 0.88 68.0 8.69 100 250 -9									0.14
									0.15
TERBIN 100 100 0.89 100 11.1 96 264 -9									0.15
TERBIN 100 100 0.89 100 11.1 96 264 -9   TERBIN 150 150 0.89 150 14.8 96 272 -9									0.15
TERBIN 150 150 0.89 150 14.8 96 272 -9   TERBIN 220 220 0.89 220 18.9 95 278 -9									0.15

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## TYPICAL CHARACTERISTIC

Product	ISO VG	Density @ 15°C , g/cm³	Kinematic Viscosity at 40 °C , cSt	Kinematic Viscosity at 100 °C , cSt	٧I	Flash Point ,°C	Pour Point ,°C	TAN , mgK0H/g
TERBIN 320	320	0.90	320	24.1	95	284	-9	0.15
CIRCULAR P 150	150	0.89	150	14.8	96	226	-15	0.10
CIRCULAR P 220	220	0.90	220	19.6	95	236	-12	0.11
CIRCULAR P 320	320	0.90	320	23.8	92	240	-12	0.11
CIRCULAR P 460	460	0.90	460	29.8	92	246	-12	0.12
CIRCULAR 32	32	0.87	32.0	5.36	100	200	-9	0.09
CIRCULAR 46	46	0.88	46.0	6.72	100	218	-9	0.09
CIRCULAR 68	68	0.88	68.0	8.60	98	222	-6	0.09
CIRCULAR 100	100	0.89	100	11.1	96	228	-6	0.09
CIRCULAR 150	150	0.90	150	14.9	96	236	-6	0.10
HITEMP 600 LT	14	0.87 (25°C)	12.8	2.70	7	210	-63	0.03
HITEMP 500	-	0.87	30.0	5.23	97	212	-9	0.29
HITEMP 600	-	0.88	46.0	6.76	97	220	-6	0.29
PINDLE OIL 10	10	0.85	10.0	2.76	85	180	-9	0.23
PINDLE OIL 22	22	0.87	22.0	4.28	100	204	-9	0.23
SLIDEWAY OIL 32	32	0.88	32.0	5.44	98	212	-9	0.54
SLIDEWAY OIL 46	46	0.89	46.0	6.79	98	220	-9	0.54
LIDEWAY OIL 68	68	0.89	68.0	8.71	98	220	-9	0.55
LIDEWAY OIL 220	220	0.89	220	19.2	97	240	-6	0.55
IEEDELA 10	10	0.83	10.0	2.67	116	174	-12	0.20
IEEDELA 22	22	0.84	22.0	4.39	110 110	208	-12	0.22
NEEDELA 32	32	0.85	32.0	5.54		226	-12	0.23
	320	0.89	320	- 24.9	100	248	-21	-
IATURECOOL W01 IATURECOOL W02	_	-	43.9 43.9	-	-	-	-	13.0 13.0
IKUT SYN W10	-	-	43.9	-	-	-	-	13.0
IIKUT SEMI W30	-	-	65.3	-	_	-	_	
IIKUT SEMI W10	-	-	10.0	-		-	-	-
IIKUT N10	-	0.86	11.4	-	_	168	-	-
IIKUT N11	_	0.87	22.0			176	-	
IIKUT N20		-	30.5	-		200		
IIKUT W10	-	-	42.0			200		
IQUENCH ULTRA 110		0.84	24.2	4.95	133	232		
IQUENCH ULTRA	-	0.84	24.2	4.56	100	232	-12	0.30
HQUENCH 33	-	0.86	31.6	5.28	98	200	-9	0.20
RUSTPROTEC M30	_	0.84	9.56	-	-	168	-27	-
RUSTPROTEC M60	_	0.84	9.57	_	_	168	-27	
RUSTPROTEC S30	_	-	-	-	_	48	-	
RUSTPROTEC S60	-	-		_	-	48	-	
PUNCHING OIL AF 1	-	0.77	1.40	<u>-</u>	<u></u>	64	_	0.05
UNCHING OIL AF 8	-	0.82	7.40	-	_	170		3.69
IETAFORM 10P	-	0.86 (30°C)	8.43	2.44	113	148	_	
IETAFORM 22T	-	0.87 (30°C)	22.8	4.53	112	190	-	
1ETAFORM 54T	-	0.87 (30°C)	53.4	7.67	107	204	-	-
IETAFORM 50V	-	0.89 (30°C)	51.3	7.70	114	202	-	-
IETAFORM 89V	-	0.89 (30°C)	8.93	11.2	113	220	-	-
IETAROLL W02	-	1-1	45.9	-	-	1-1	1-1	-
LEARA SYNTHETIC 220	220	0.91	221	26.1	151	304	-33	-
ARAFEX 2000M	-	0.87	29.7	5.18	105	230	-9	
ARAFEX 3000M	-	0.89	99.7	11.2	97	266	-9	-
ARAFEX 4000M	-	0.90	503	32.5	96	320	-12	-
ROMEX 2000	-	1.00	-	9.10	-	234	15	-
ROMEX 3000	-	0.99		29.9	-	284	15	-
ROMEX 4000	-	1.00	-	80.1	-	314	12	-
UBBERA 400	-	0.93	363	20.2	-	276		-
UBTEDA 401	-	0.95	-	19.8	-	270	-	-
UBTEDA 502	-	0.96		24.1	-	272	-	-
/HITECH 2	-	0.83	7.12	2.28	104	158	-39	-
/HITECH 3	-	0.83	13.2	3.41	116	204	-24	-
HITECH 4	-	0.84	19.5	4.26	112	228	-21	-
HITECH 8	-	0.85	41.4	7.31	142	252	-15	-
IAPHTEX S13	-	0.88	96.8	10.5	-	252	-	-
IAPHTEX S14	-	0.92	389	19.8	-	264	-15	-
IAPHTEX S15	-	0.91	67.1	7.02	-	202	-33	-
YLINDER OIL 50	50	-	-	8.00 - 15.0	-	180	24	-
YLINDER OIL 90	90	1 <u>-1</u>	-	18.0 - 22.0	-	200	27	-
CYLINDER OIL 250	250	-		60.0 - 80.0		230	27	

Product	ISO VG	Density @ 15°C , g/cm²	Kinematic Viscosity at 40 °C , cSt	Kinematic Viscosity at 100 °C , cSt	VI	Flash Point ,°C	Pour Point ,°C	TBN, mgK0H/g	Sulfated Ash, %wt.
GASTECH 500	40	0.875	129	14.4	110	262	-12	5.7	0.47
METHANA 2540	40	0.883	133	14.5	108	256	-15	5.7	0.44
METHANA 2740	40	0.876	124	13.8	109	282	-15	7.2	0.65
METHANA 3540	40	0.873	115	13.4	112	278	-33	6.8	0.54