

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

Industrial lubricant

PT - AWY A special performance hydraulic lubricant recommended for extremely serve load condition that lead to viscosity fluctuations caused by operating temperature changes. It is a shear and thermally stable lubricant that ensures efficient operation of critical hydraulic systems, very low sludge forming tendencies; it has extreme pressure and anti- wear capabilities that particularly provide yellow metal protection.

Grade SAE ISO VG 32, 46, 68 and 100
Type/quality Extra performance hydraulic oil.
Application High pressure hydraulic systems of earth moving equipment, fork lift trucks, and hydraulic control mechanisms.

Typical Inspections

TESTS	32	46	68	100
Gravity,API @15.6 °C	33.1	32.1	31.7	30.5
Appearance	Clear	Clear	Clear	Clear
Flash Point, COC °C	<1.0	1.5	2.0	2.5
Color, ASTM	210	218	220	240
Viscosity, cst @ 40 °C	32	48	64	99
Viscosity, cst @ 100 °C	6.3	8.1	11.1	13.0
Viscosity index	148	147	166	127

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

PT AW A new hydraulic system oil with demonstrated “Universal” performance for meeting serve requirement of major machine tool and mobile hydraulic equipment manufacturers. It is thermally stable, resistant to oxidation and sludging, with good hydrolytic stability that ensures against potential loss of the anti-wear additive due to hydrolysis. It provides anti-wear characteristics to meet the needs of high –severity vane pump application and contain an inhibited anti-wear system of proven performance in piston pumps.

Grade SAE ISO VG 32, 46, 68 and 100
Type/quality Universal performance hydraulic oil.
Application High pressure hydraulic pumps
(Abex-Dension, Sperry Vickers, etc.)

Typical Inspections

TESTS	32	46	68	100
Gravity,API @15.6 °C	30.9	29.5	28.5	27.8
Appearance	Clear	Clear	Clear	Clear
Flash Point, COC °C	1.0	2.0	3.0	3.5
Color, ASTM	220	234	240	244
Viscosity, cst @ 40 °C	30	47	67	107
Viscosity, cst @ 100 °C	5.2	6.8	8.6	11.6
Viscosity index	103	101	99	96

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

PT AW (32) - A highly advanced hydraulic and turbine oil designed to meet the most serves demands of today's gas turbines and hydraulic systems. It contains high performance antiwear additive for maximum efficiency and durability of turbine and hydraulic systems. It exhibits excellent water tolerance and hydrolytic stability tp prevent rusting and corrosion of metal parts and prolong the life of the system.

Grade	ISO VG 32
Type/quality	Meet the requirements of; GEC/Alsthom Gas Turbine; Abex-dension HF-0; Vickers VM-2950-S; Cincinnati Milacron P-68, P-69 and P-70; Rexnord; commercial shearing
Application	Gas turbines; high speed, high pressure hydraulic circuits containing any combination op pumps operating at maximum output; other turbines and compressor circulating systems.

Typical Inspections

TESTS	10
Gravity,API @15.6 °C	32.8
Appearance	Clear
Flash Point, COC °C	1.0
Color, ASTM	216
Viscosity, cst @ 40 °C	32
Viscosity, cst @ 100 °C	5.6
Viscosity index	115

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

PT 2190 / 77 - Premium quality turbine lubricant blended from hydrofined paraffinic base oils and carefully selected additives to ensure maximum service life. Its high viscosity index, good demulsibility, resistance to rust and foaming and superior anti-wear property make this oil ideal for marine turbine operation. It is an approved MIL-L-1733 1H (SH) product.

Grade ISO VG 77
Type/quality Extreme Pressure Turbine Oil
Application Marine steam turbine, geared turbines

Typical Inspections

TESTS	10
Gravity,API @15.6 °C	29.8
Flash Point, COC °C	258
Color, ASTM	1.5
Viscosity, cst @ 40 °C	76.3
Viscosity, cst @ 100 °C	9.6
Viscosity Index	105
Pour Point, °C	-7

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

PT –TOUR - versatile circulating oil manufactured from selected base stocks and additives to control rusting, provide additional oxidation stability, inhibit foaming, and exhibit excellent demulsibility. Recommended primary for industrial application where the oil is recirculated or re-used for extensive periods such as in hydraulic and steam turbines. Formulations are compatible with sealing materials used in hydraulic system.

Grade ISO VG 32, 46, 68,100,125,150, 185 and 400
Type/quality Premium quality circulating oil
Application Plain and anti-friction bearing, hydraulic system, turbines, compressors, crankcases, chain drives, open and closed gear, and as heat transfer medium.

Typical Inspections

TESTS	32	46	68	100	125	150	185	400
Gravity,API @15.6 °C	31.9	31.6	30.4	27.2	27.7	26.5	26.1	24.9
Flash Point,COC °C	210	218	228	254	245	260	268	290
Color, ASTM	0.5	1.0	1.5	3.5	3.5	3.5	4.0	4.5
Viscosity, cst @ 40 °C	31	45	65	105	125	149	187	407
Viscosity, cst @ 100 °C	5.4	6.8	8.6	11.5	12.8	14.5	16.8	27.8
Viscosity index	105	105	105	96	95	95	95	95
Pour Point, °C	-9	-9	-6	-9	-9	-9	-9	-9

HYPEX EP - Premium quality general purpose lead-free gear and bearing lubricant designed for continuous use at operating temperatures up to 110°C (230 °F). It

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

contains an EP agent to minimize metal seizure when operating under overload conditions at temperatures above 80 °C (176°F), non-corrosive to iron, copper and bronze alloys and has excellent additive-retention properties that provide protection against wear in continuous overload conditions. It has particularly good water-separation properties and excellent thermal stability.

Grade ISO VG 100, 150,220,320,385,460,570,680,3K AND 4K
Type/quality Extreme pressure industrial gear oil
Application Worm and hypoid gearboxes; plain and anti-friction bearing, and gears subjected to heavy shock loads.

Typical Inspections

	Gravity,API @15.6 °C	Flash Point, °C	Color, ASTM	cst @ 40 °C	cst @ 100 °C	VI
100	27.6	232	3.0	100	11.2	96
150	26.9	232	4.0	144	14.0	94
220	25.6	234	<4.5	218	18.5	94
320	25.0	234	4.5	318	23.9	95
385	24.9	236	<5.0	390	28.0	98
460	24.7	236	<5.5	467	31.2	97
570	23.1	238	8.0	564	34.3	94
680	22.1	238	>8.0	663	36.4	89
3K	13.4	232	O Green	3661	63.1	14
4K	17.9	274	Black	3865	91.1	75

GEARFLUID - Solvent-cutback adhesive type lubricant compounded with additives to impart extreme pressure and anti-rust characteristics. To obtain the desire viscosity for easy application under normal temperature conditions, a non-flammable solvent is added to allow application without heating. After application, the solvent evaporates, leaving a

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

lubricating film that adheres tenaciously to the moving surfaces; similarly provides superior rust corrosion resistance.

Grade ISO VG 2K, 5K and 8K
Type/quality Asphalt-based lubricant
Application Big open gear, wire ropes and cable, large open chains and sprockets.

Typical Inspections

TESTS	2K	5K	8K
Gravity,API @15.6 °C	10.1	9.6	7.7
Color, ASTM	Black	Black	Black
Viscosity, cst @ 40 °C	2058	5057	8220
Viscosity, cst @ 100 °C	87.7	149.1	--

GEARKOTE - Sometimes known as Gear Grease, it is also classifies as a lubricating oil. When applied, it leaves a thick film which protects the lubricated surface

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

from corrosion and rust. Due to it's highly adhesives properties, it provides long lasting protecting and minimizes lubrication costs.

Grade ISO VG 3K, 22K and 68K
Type/quality Asphalt- based lubricant
Application Big open gear, wire ropes, large open chains and sprockets such as those found in mining and construction equipment and other types of machinery.

Typical Inspections

TESTS	3K	22K	68K
Gravity,API @15.6 °C	11.5	10.4	9.6
Flash Point, °C	230	228	232
Color, ASTM	Black	Black	Black
Viscosity, cst @ 40 °C	3215	21411	71000
Viscosity, cst @ 100 °C	76.5	202.3	413

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

MILROL 5K black viscous oil specially formulated for sugar mill roll brass and crown gears, possessing the qualities needed to prolong the life of brass gear and bearings. It contains extreme pressure additives and is resistant to the washing action of cane juice.

Grade ISO VG 5K
Type/quality Extreme pressure industrial gear oil
Application Sugar mill roll brass, crown gear and plain bearings.

Typical Inspections

TESTS	
Gravity,API @15.6 °C	17.7
Flash Point, °C	260
Color, ASTM	Black
Viscosity, cst @ 40 °C	5440
Viscosity, cst @ 100 °C	115

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

AXELUBE - Low-cost lubricant especially formulated for axle once through lubrication or where make-up rates are high. It can also be used as industrial gear oil in non-critical applications.

Grade ISO VG 195 and 460
Type/quality Low-cost axle lubricant
Application Grade 195 is recommended for non-critical plain bearing and gears such as those in railroad cars. Grade 460 is recommended for cane car axle bearings.

Typical Inspections

TESTS	195	460
Gravity,API @15.6 °C	21.6	17.9
Flash Point, °C	205	135
Color, ASTM	Black	Black
Viscosity, cst @ 40 °C	196	430
Viscosity, cst @ 100 °C	17.0	29.5
Viscosity index	92	97

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

PETROCYL S-390 - High steam cylinder oil recommended for steam engines operating on saturated steam. It is a suitable lubricant for worm gear drives. It has superior oxidation stability, high viscosity index and is non-susceptible to formation of carbon deposits. Being adhesive and tacky, it is very suitable for equipment lubricant under wet conditions generally encountered with saturated steam. The tackiness agent reduces consumption, provides better adhesion to cylinder walls and improves oil separation from exhaust steam.

Grade ISO VG 390
Type/quality Adhesive, compounded cylinder oil
Application saturated steam engine at steam pressures below 175 psig, enclosed gears, plain and anti-friction bearings, worm gear drives.

Typical Inspections

TESTS	
Gravity,API @15.6 °C	21.9
Flash Point, °C	243
Color, ASTM	Oli Green
Viscosity, cst @ 40 °C	388
Viscosity, cst @ 100 °C	28.9
Viscosity index	95

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

PETROCYL 680 - A high viscosity mineral oil with superior demulsibility characteristics and stability properties. It is recommended for the lubrication of Morgoil bearing in steel rolling mills and for industrial gear sets requiring a heavy bodied lubricant. It gives excellent service in medium superheated steam above 175 psig.

Grade ISO VG 680
Type/quality Heavy mineral oil
Application Superheated steam equipment lubricant up to 250°C; gears and anti-friction bearing with heavy loads.

Typical Inspections

TESTS	
Gravity,API @15.6 °C	22.4
Flash Point, °C	300
Color, ASTM	6.5
Viscosity, cst @ 40 °C	654
Viscosity, cst @ 100 °C	36.1
Viscosity index	89

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

CUT EMULSION - A premium quality, general purpose, emulsifiable oil which provides optimum cooling and lubricant in metal cutting and grinding operations. It mixes readily with water to form stable emulsions, has good rust- preventive properties and is inhibited against foaming. Its resistance to bacterial attack prolongs the storage life of the emulsion. Recommended water-oil ratio is 3:1 or higher. The most common mixtures are 20:1 for machining and 30:1 for grinding.

Grade ISO VG 25
Type/quality Emulsifiable cutting oil
Application Cutting and grinding fluid for machining operations

Typical Inspections

TESTS	
Gravity, API @ 15.6 °C	25.9
Color, ASTM	2.5
Viscosity, cst @ 40 °C	35.2
Viscosity, cst @ 100 °C	5.6
Emulsion appearance	Milky white

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

PT CUT27 - Compounded cutting oil used in machining operations where cutting fluid transparency is needed for good metal working visibility. It is formulated with various proportions of sulfur compounds and fatty material for superior performance. Its relatively high flash point helps prevent smoking in service. It gives superior surface finish and prolongs tool life. It is non-staining and has high degree of chemical activity which is important in cutting ferrous alloys in such operations as broaching, grinding and threading.

Grade	ISO VG 27
Type/quality	Non-emulsifiable sulfurized cutting oil
Application	Transparent cutting fluid for machining operations

Typical Inspections

TESTS	
Gravity,API @15.6 °C	28.3
Flash Point, °C	204
Color, ASTM	1.0
Viscosity, cst @ 40 °C	28.6
Viscosity, cst @ 100 °C	5.0

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

AIRLUBE - First line quality rock-drill lubricant specially formulated for pneumatic tool of the oil-lubricant type. It contain an adhesive agent that enables it to cling to rapidly moving parts of most air tools, affording low oil consumption and longer tool life. It has an extreme pressure additive, a rust and corrosion preventive, and agent to emulsify moisture that may enter the drill.

Grade ISO VG 100, 220 and 320
Type/quality Extreme pressure air tool lubricant
Application Air-operated tools such as jack- hammers, stoppers, drifters, wagon drill, chippers, tampers, pavement breakers and stern tubes.

Typical Inspections

TESTS	100	220	320
Gravity,API @15.6 °C	26	24.1	22.5
Flash Point, °C	204	264	224
Color, ASTM	6.5	7.5	7.5
Viscosity, cst @ 40 °C	107	216	297
Viscosity, cst @ 100 °C	12.0	17.6	21.5

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

SPIN OIL - Premium quality lubricant for high speed machine elements in the textile industry such as twister spindles and spinning rings it possesses outstanding oxidation stability, making it strongly resistant to gumming sludging and discoloration. Its high film strength provides minimum wear under shock loads. It has excellent rust protection, very light color and does not stain the fabrics.

Grade	ISO VG 15
Type/quality	Spindle oil
Application	Premium grade twister or spinning ring oil in textile machinery, high-speed machine tool spindle and very high speed bearings.

Typical Inspections

TESTS	
Gravity,API @15.6 °C	34.2
Flash Point, COC °C	188
Color, ASTM	0.5
Viscosity, cst @ 40 °C	15.9
Viscosity, cst @ 100 °C	3.5
Viscosity Index	103

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

VOLTRAN - An important highly refined coolant and insulating oil for electric equipment. Its low viscosity, high flash point and dielectric strength, low volatility and pour point, resistance to oxidation, freedom from acid and corrosive sulfur, and compatibility with materials used in transformer construction makes it ideal for all types of transformers and electrical circuit breakers which use petroleum- based oil as insulator and arc-quencher, respectively. This product meets the quality requirements of the largest transformer and circuit breaker manufactures in the world.

Grade ISO VG 10
Type/quality Petroleum based insulating oil
Application Transformers and circuit breakers

Typical Inspections

TESTS	
Gravity,API @15.6 °C	27.8
Flash Point, COC °C	160
Color, ASTM	L0.5
Viscosity, cst @ 40 °C	9.0
Viscosity, cst @ 100 °C	2.3
Viscosity Index	40
Dielectric strength	38

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

ZERFLO 68 - A lubricant with very low pour point and natural oxidation resistance suitable for the lubrication of refrigeration equipment. It is resistance to thermal breakdown and sludge formation; does not react chemically with the refrigerant or with metals of the system. It is recommended for all types of ammonia and halogenated refrigeration equipment

Grade ISO VG 68
Type/quality Low pour point lubricant
Application Refrigeration and air conditioning compressors

Typical Inspections

TESTS	
Gravity,API @15.6 °C	26.2
Flash Point, COC °C	166
Color, ASTM	2.5
Viscosity, cst @ 40 °C	67
Viscosity, cst @ 100 °C	8.0
Pour Point, °C	-36

MARINE LBRICANT OILS

SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

DCL 100 - Premium diesel cylinder oil designated specifically to minimize corrosive wear in turbocharged engines burning residual fuel. It combines a unique additive formulation with high quality distillate type stocks. Its high alkaline reserve and load-carrying ability provide excellent anti-wear performance and superior engine cleanliness for extended engine operation even under severe operating conditions.

Grade SAE 50
Type/quality Diesel cylinder lubricant
Application Bunker-burning diesel engines

Typical Inspections

TESTS	
Gravity,API @15.6 °C	19.6
Flash Point, COC °C	220
Color, ASTM	D brown
Viscosity, cst @ 40 °C	211
Viscosity, cst @ 100 °C	18.6
Viscosity index	98
Pour point, °C	-9
TBN,mg KOH/g	67

PT S - A solution type diesel cylinder lubricant available in two viscosity grades (SAE 40 and 50) for use in diesel engines operating with separate cylinder lubricant. It contains

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

high alkalinity additives that neutralize combustion acid and reduce cylinder and piston ring wear while maintaining a high degree of engine cleanliness.

Grade 75(SAE 40), 95(SAE50)
Type/quality Solution type diesel cylinder lubricant
Application Bunker-burning low and medium speed diesel engines

Typical Inspections

TESTS	75	95
Gravity,API @15.6 °C	20.7	20.8
Flash Point, COC °C	230	238
Color, ASTM	5.5	5.5
Viscosity, cst @ 40 °C	146	206
Viscosity, cst @ 100 °C	14.6	18.1
Viscosity index	97	97
Pour point, °C	-6	-6
TBN,mg KOH/g	40	40

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

PT 4040 - Top quality detergent lubricant recommended for use in medium speed, high specific output trunk piston engine burning residual fuels. It is formulated with high quality paraffinic base stocks and a specially designed additive package that provides superior margin of protection against piston deposits, ring sticking, and ensures good viscosity control when used under serve operating conditions. Its excellent alkalinity retention properties control corrosive wear and ensures long service life. It meet s the lubricating oil quality requirements of major engine manufactures like Sulzer and SEMT-Pielstick.

Grade SAE 40
Type/quality Series 3, API Service CD
Application "Bunker C" fuel burning diesel engines

Typical Inspections

TESTS	
Gravity,API @15.6 °C	23.9
Flash Point, COC °C	220
Color, ASTM	7.5
Viscosity, cst @ 40 °C	146
Viscosity, cst @ 100 °C	14.6
Viscosity index	99
Pour point, °C	-6
TBN,mg KOH/g	42

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

PT 3000 SERIES - A new generation 30TBN crankcase and cylinder oil for medium and low speed trunk piston diesel engine used in marine propulsion or in stationary power generating units. These lubricants are recommended for use in engines operating under severe service, burning either intermediate fuel grades or straight residual fuels. These oils are specially formulated with high quality base stocks and a new additive chemistry package for balanced detergency/ dispersancy and wear protection. Their high alkalinity characteristic maintains the desired engine cleanliness, minimized wear and ensures long service life over a wide range of fuel quality.

Grade SAE 30 and 40
Type/quality Series 3, API Service CD
Application Intermediate grade or straight residual fuel burning diesel engines.

Typical Inspections

TESTS	3030	3040
Gravity,API @15.6 °C	24.1	23.6
Flash Point, COC °C	220	230
Color, ASTM	6.0	6.5
Viscosity, cst @ 40 °C	108	150
Viscosity, cst @ 100 °C	11.6	14.6
Viscosity index	97	97
Pour point, °C	-6	-6
TBN,mg KOH/g	32	32

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

PT 1500 SERIES- A high quality heavy-duty detergent type lubricant of medium alkalinity, primarily recommended for crankcase and cylinder lubrication of medium and low speed trunk piston marine and stationary diesel engines under serve conditions burning distillate as well as low viscosity residual fuels. These oils are specially formulated with high quality base stocks and a new additive chemistry package for balanced detergency/dispersancy and medium (15 TBN) alkalinity characteristics needed to maintain desired engine cleanliness, minimize wear and obtain long service life over a wide range of fuel quality.

Grade	SAE 30 and 40
Type/quality	API Service CD
Application	Trunk piston diesel engine operating on distillate and low viscosity residual fuels with up to 2% sulfur.

Typical Inspections

TESTS	1530	1540
Gravity,API @15.6 °C	26.2	25.3
Flash Point, COC °C	230	242
Color, ASTM	5.5	6.0
Viscosity, cst @ 40 °C	103	145
Viscosity, cst @ 100 °C	11.4	14.1
Viscosity index	97	96
Pour point, °C	-6	-6
TBN,mg KOH/g	16	16

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

PT 9250 - Military approved lubricating oil formulated for use in advance design high-output shipboard main propulsion and auxiliary diesel engine. It is a stable blend of high quality paraffinic oil fortified with additives guaranteed to provide satisfactory lubrication in marine diesel engine parts and engine driven generator bearings and associated equipment.

Grade SAE 40
Type/quality MIL-L- 9000H (SH)
Application Marine-diesel engines where military approved oil are specified by the customer.

Typical Inspections

TESTS	
Gravity,API @15.6 °C	25.4
Flash Point, COC °C	220
Color, ASTM	8.0
Viscosity, cst @ 40 °C	122
Viscosity, cst @ 100 °C	12.9
Viscosity index	98
Pour point, °C	-12
TBN,mg KOH/g	14

PT HD SERIES- Heavy-duty detergent lubricant fortified with additives that gives moderate levels of alkalinity and detergency. They are clean burning oils formulated from

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

high quality paraffinic base stocks, intended primarily for less critical medium trunk piston diesel engines using ASTM 2-D type diesel fuel.

Grade SAE 30, 40 and 50
Type/quality API Service CD
Supplement 1 level detergency
Application Medium and low-speed diesel engines

Typical Inspections

TESTS	30	40	50
Gravity,API @15.6 °C	26.4	25.7	25.3
Flash Point, COC °C	240	242	250
Viscosity, cst @ 40 °C	105	140	224
Viscosity, cst @ 100 °C	11.5	14.1	19.1
Viscosity index	97	97	97
Pour point, °C	-6	-6	-6
TBN,mg KOH/g	12	12	12

PT HD MARINE - A detergent type marine lubricant formulated from refined paraffinic base stocks. Commonly used as crankcase oil for in board engines used in small fishing boats.

Grade SAE 30 and 40

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

Type/quality Detergent system oil
Application In-board engines used in moderate service conditions such as small fishing boats or bancas.

Typical Inspections

TESTS	30	40
Gravity,API @15.6 °C	26.4	25.7
Flash Point, COC °C	240	244
Color, Visual	Red	Red
Viscosity, cst @ 40 °C	111	140
Viscosity, cst @ 100 °C	12.0	14.0
Viscosity index	97	97
Pour point, °C	-6	-6
TBN,mg KOH/g	12	12

PT MOTOR OIL- An ashless outboard engine oil formulated meet the critical requirements of all water-cooled, two-stroke marine engines. It gives maximum engine protection against rust, corrosion, and deposits. Peak performance is ensured even at a high fuel-to-oil ratio up to 50:1, the ratio recommended for engines by many out board engine manufactures.

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

Grade SAE 20
Type/quality API Service TD (BIA TC-W)
Application Two-stroke outboard engines

Typical Inspections

TESTS	
Gravity,API @15.6 °C	30.1
Flash Point, Tag °C	60
Color, Visual	Purple
Viscosity, cst @ 40 °C	46
Viscosity, cst @ 100 °C	7.1
Viscosity index	117
TBN,mg KOH/g	3

PT 65 - A low detergent system oil company used as crosshead engine crankcase oil and in other low and intermediate speed engines running under mild service conditions.

Grade SAE 30
Type/quality Low detergent system oil
Application Crosshead engine crankcase marine lubricant

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

Typical Inspections

TESTS	
Gravity,API @15.6 °C	27.0
Flash Point, COC °C	248
Color, ASTM	<4.0
Viscosity, cst @ 40 °C	109
Viscosity, cst @ 100 °C	11.8
Viscosity index	96
TBN,mg KOH/g	5

SPECIAL PRODUCTS

DISTLLATE MP - waxy process oil suitable for various industrial uses. It can be used as a softener for processing raw abasa, jute, and other natural fibers. It improves tensile strength and elongation properties of these fibers and provides better processing workability.

Type Mineral Oil 150
Application As is, may be applied by dipping or spraying or an emulsifier may be added and the emulsion in water used by spraying.

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

Typical Inspections

TESTS	
Gravity,API @15.6 °C	22.7
Flash Point, COC °C	218
Color, ASTM	2.5
Viscosity, cst @ 40 °C	34.3
Viscosity, cst @ 100 °C	5.2
Viscosity index	72

PT 50R AND OIL 17 - Low-cost versatile process oils recommend for rope manufacturing, to improve tensile strength and lessen the stiff and harsh qualities of raw abaca hemp and other fibers.

Application As is, may be applied by dipping or spraying or an emulsifier may be added and the emulsion in water used by spraying.

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

Typical Inspections

TESTS	50R	17
Gravity,API @15.6 °C	29.5	29.1
Flash Point, COC °C	140	136
Viscosity, cst @ 40 °C	6.7	16
Viscosity, cst @ 100 °C	2.0	3.6
Viscosity index	83	110
Color ASTM	4.0	3.0

OIL 150 - A pale green –colored, wire-drawing compound containing a lubricity agent and an anti-oxidant. Its main uses are for wire drawing aluminum and as special rolling oil for ferrous and non- ferrous materials. Wires drawn with the aid of Aldro Oil 150 acquire a desirable luster.

Type Wire-drawing oil; rolling oil

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

Application Wires of larger diameter are immersed in this oil before they are drawn into smaller sizes.

Typical Inspections

TESTS	
Gravity,API @15.6 °C	22.2
Flash Point, COC °C	292
Viscosity, cst @ 40 °C	470
Viscosity, cst @ 100 °C	30.5
Color ASTM	6.5

RUBBEX 130 - An aromatic, dark green oil used for rubber extending and compounding and has been approved Goodyear, Sime Darby and Firestone. It can also be used as an excellent vehicle for newspaper ink.

Type Rubber Extender Oil and Ink vehicle

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

Application For compounding with natural or synthetic rubber in the manufacture of tires and other rubber products.

Typical Inspections

TESTS	
Gravity,API @15.6 °C	10.9
Flash Point, COC °C	242
Viscosity, cst @ 40 °C	1094
Viscosity, cst @ 100 °C	26
Pour point, °C	18
Aniline point, °C	112

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

PT DUST STOP OIL - A premium quality oil formulated from refined naphthenic base oils suitable as lubricant and dust seal for Banbury Mills.

Typical Inspections

TESTS	
Sp.Gravity, @15.6/15.6 °C	0.863
Flash Point, °C	250
Color ASTM	3.5
Viscosity, cst @ 40 °C	255
Viscosity, cst @ 100 °C	18.5
Viscosity index	78
Pour point, °C	-12
Neutralization No,mg KOH/g	0.03

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

QUENZO 69 - Quenching oil produced from a highly refined base stock and fortified with an additive package that makes it more superior than conventional quenching oils. It is oxidation stable and has a rapid quenching rate which allows use of less expensive steels without any loss in product quality. Produces cleaner quenched parts and is safer to use due to its high flash point property.

Type Quenching oil
Application As heat transfer or tempering oil in open baths.

Typical Inspections

TESTS	
Gravity,API @15.6 °C	26.2
Flash Point, COC °C	260
Color ASTM	4.0
Viscosity, cst @ 40 °C	102
Viscosity, cst @ 100 °C	11.4

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

PRINTSOL 600 - A highly aromatic and heavy mineral oil used primarily as newspaper ink vehicle.

Typical Inspections

TESTS	
Sp.Gravity, @15.6/15.6 °C	1.012
Flash Point, COC °C	270
Color	O Green
Viscosity, cst @ 40 °C	1764
Viscosity, cst @ 100 °C	32.9
Viscosity index	<0

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

GLASS MOLD OIL - A combination of base oils used as carrier release agent and non-staining compound in the manufacture of glass bottles. As a release agent, it is applied by swabbing the inner mold portion of the Individual System (IS) machine.

Typical Inspections

TESTS	
Gravity,API @15.6 °C	30.9
Flash Point, COC °C	146
Color ASTM	0.5
Viscosity, cst @ 40 °C	15
Viscosity, cst @ 100 °C	3.0
Viscosity index	<0

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

SOLVENT 1425 AND 3040- Highly refined paraffinic distillates used in the formulation of paints, varnishes, lacquers, adhesives, and protective coating.

Typical Inspections

TESTS	1425	3040
Appearance	Clear	Clear
Color Saybolt	+30	+30
Specific Gravity, 15.6/15.6 °C	0.7199	0.7879
Corrosion, Cu 3 hrs., 100 °C	1a	1a
Doctor test	Negative	Negative
Flash Point, °C	-23	40
Aromatics, % Vol	5	18
Distillation, °C		
IBP	70	154
10% Recovery	87	164
50% Recovery	98	174
90% Recovery	112	181
Dry point	121	183
FBP	125	199

STEMOL - A Lubricant formulated from highly refined basestock and fortified with a lubricity agent and an antioxidant. It is used mainly as continuous steel casting mold oil.

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**

PETROLEUM TECHNOLOGIES

HASNAIN ENTERPRISES

A-10-A, S.I.T.E., Karachi-75700 Email:petroleumtechnologies@yahoo.com
Tel: 021-32552057, 32554255, Fax: 021-32554255 Mobile: 0346-4031054, 0336-4031054

Typical Inspections

TESTS	32	68
Gravity,API @15.6 °C	29.6	28.1
Flash Point, COC °C	200	240
Viscosity, cst @ 40 °C	25	59
Viscosity, cst @ 100 °C	4.7	8.1
Viscosity index	105	105
Appearance	Clear	Clear
Color ASTM	1.0	1.5

**SPECIALIST IN CUT EMULSION, WOOL EMULSION &
DEALS IN ALL KIND OF INDUSTRIAL OILS AND GREASES**