

from concept to completion we are four generations strong



Since 1977 International Tank Service, Inc. has been providing quality products and services for the petroleum, chemical, water and waste treatment, utility, heavy industry and governmental agencies. Today, *ITS* is a full service aboveground storage tank contractor with field operations throughout the United States.

By utilizing the skills and talents of all our people we are committed to providing our customers a superior product at a competitive price.

# mission statement

Our goal is to be the premiere contractor in the storage tank industry by giving exceptional customer service. We value the importance of relationships and will continue to be fair, honest and ethical in dealings with our clients, employees, vendors and partners. We will strive to foster a work environment that encourages new ideas, innovations and personal growth. The well being of our employees, customers and environment, shall be held to the highest standards. By exceeding our customer's expectations, we will earn more business. Without our customers we would not exist. In God we trust.

# corporate commitment

International Tank Service, Inc. is committed to providing you, our customer, with the best professional service possible.

By utilizing our experience, flexibility, and capabilities to meet your needs and governmental regulations, *ITS* remains dedicated to providing dependable, quality products and services at competitive prices.

It is our job to furnish you with a product you will be proud of, and one in which we will be proud of. After all, our success is dependent upon your success. We believe that our combination of professional experience, knowledge, dedication, and flexibility makes us the best choice for your next tank project. We look forward to bringing the *ITS* commitment to you.



### core values

#### teamwork • people focused

We recognize our primary asset is people. To be successful, International Tank Service must be a rewarding place to work. We provide opportunity and encouragement to help our people reach their potential. We work with our clients as a team. Mutual respect provides the foundation for our success.

#### integrity • highest ethical standards

We remain true to our founding values of safety, quality, honesty, and hard work. We have the highest ethical standards in the industry. We "do the right thing." International Tank Service is a business based on trust and is consistently associated with the high standards of service, quality, personal attention to customers, and integrity.

#### commitment • customer driven

International Tank Service is proactive in finding solutions for our customers, helping them achieve their goals. Lasting relationships are the lifeblood of our business. We want the customer to feel that our staff is customer driven and committed to putting forth our best effort in everything we do. Personal attention to our clients as individuals and caring about them as individuals distinguishes us from other tank companies. At International Tank Service our customers are our respected friends.



#### ITS builds & designs

#### Aboveground Storage Tanks (AST)

- API 650 Field Erected Storage Tanks
- AWWA D100 Field Erected Water Storage Tanks
- Acids & Alkalis
- Asphalt Tanks
- Asphalt Oxidizers
- Biodiesel & Ethanol
- Brine Water
- Clarifiers & Digesters
- Crude Oil & Petroleum Fuels
- Drilling Fluids & Muds
- Fertilizers UAN Solutions
- Fire Water FM Tanks
- Vapor Recovery Tanks
- Vegetable Oils
- Waste Water

## ITS services include

- API 653 Tank Inspection
- Consultants & Engineers
- API 653 Tank Repair & Retrofit
- Tank Maintenance Programs
- Custom Shop Fabrication
- Tank Replacement Parts

# products & services



satisfy a customer's needs from the "beginning to the end" of the contract.

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#### turnkey projects

International Tank Service, Inc. can satisfy a customer's needs from the "beginning to the end" of the contract by the turnkey concept. The Company will act as the Project Manager and General Contractor, performing much of the project with our own personnel, and sub-contracting other parts as needed to specialty contractors. In this way, we eliminate multiple contractors and sub-contractors and place control of the project at a single source, ITS.

#### new tanks

International Tank Service, Inc. can provide new tank construction for all types of Above Ground Storage Tanks (AST). Our field erection crews utilize the latest construction techniques to provide a safe, dependable new tank at competitive prices.

ITS constructed tanks adhere to strict compliance guidelines in accordance with API, AWWA and FM.

New tank construction services includes: Tank Erection, Foundations, Protective Coating & Linings, Insulation, Cathodic Protection Our field erection crews utilize the latest construction techniques to provide safe, dependable new tank.



#### tank repair & maintenance

International Tank Service, Inc. provides tank repair and maintenance services, including bottom replacements, shell repairs, fixed and floating roof repairs and replacements, tank re-leveling, fittings and appurtenances, special design and engineering work, as well specialty fabrication and construction project work.

- Secondary Containment Systems
- Tank Bottom Replacements
- Floating Roof Drain Systems
- Cone Roof & Structure Repair & Replacements
- Sunken or Collapsed Floating Roof Repairs
- In-Service Tank Repairs
- Stairways, Handrails, & Platforms
- Out-of Round or Buckled Tank Shell Repairs
- Primary & Secondary Seals for Floating Roof Tanks

- Floating Roof Tank Conversions
- Fire Fighting Foam Systems
- Shell Nozzles, Manways & Appurtenances
- Rolling Ladders and Stair Treads
- Tank Relocation
- Tank Foundations
- Cathodic Protection & Leak Detection
- Shell patches or replacements
- Roof plate repair and replacement



#### internal & external floating roofs

International Tank Service, Inc. fabricates and installs new floating roofs, as well as repairs and modifies existing floating roofs.

We can revamp floating roof tanks, repair or replace floating roof support legs, wind girders, overflows, vents, circular or radial stairs and rolling ladders.

We can install or repair all types of existing primary and secondary seal systems to meet your needs.

An ITS floating roof is of sound design and construction, and will perform for many years with trouble-free service.

**ITS** can convert an external floating roof tank to a cone roof tank.



#### tank jacking & leveling

International Tank Service, Inc. utilizes two jacking systems to safely raise tanks: The Low-Lift Unified Jacking System and the Hi-Lift Unified Jacking System.

The Low-Lift Unified Jacking System allows tanks to be raised up to 1'0" in a single lift, while the Hi-Lift Unified Jacking System allows tanks to be raised up to 10'0" in a single lift.

By jacking your existing tank off the ground, many options for repair or upgrading are available.

- Installation of a reinforced concrete ringwall, or a compacted stone foundation;
- 2. Remediate contaminated soil;
- 3. Installation of an undertank containment liner;
- Placement of a leak detection monitor;
- 5. Application of protective coatings to tank bottom;
- 6. Installation of a cathodic protection system; and
- Leveling of the tank.

# API 653 tank inspection services

and recommendations to customers. By allowing our professionals to inspect your tank, you insure that it will remain in peak condition. By diagnosing trouble signs early on, you may avoid future problems before they have a chance to progress.

#### design & technical support

Our design staff utilizes state-of-the-art AutoCad equipment to insure that drawings are prepared according to customer specifications, governmental regulations, and all applicable codes. By working closely with our customers, problems are solved in advance of any field work, providing a smoothly run project.

#### contract maintenance

Sometimes our customers have emergencies that need immediate attention. Our years of experience and our diversified work force allow us to respond quickly to emergencies so they do not become unmanageable catastrophes. This work can be completed on a time and material basis or a fixed dollar amount.



Since 1977 International Tank Service, Inc. has been providing exceptional products and services in the manufacturer and repair of above ground storage tanks.

# quality assurance & control program

International Tank Service, Inc. takes great pride in their Quality Assurance / Quality Control program. ITS's commitment to quality is demonstrated in all areas of their work. Quality is ensured from Engineering and design to fabrication and field construction through systematic monitoring and evaluation of all their processes. ITS strives to get things right the first time making their products immediately fit for service

International Tank Service only hires the most competent employees with top level of knowledge, skills, experience, and qualifications. All ITS employees possess high level of personnel integrity, confidence, motivation and team spirit which drive their high quality products and services.



#### ITS's Quality Control Program includes:

- Review of all engineering calculations with drafting detailing prior to release of shop drawings.
- Mill tests of steel for chemistry, strength, and ductility.
   All steel used must conform to specified ASTM and design code standards.
- Weld procedure and welder qualification in accordance with API, AWWA, and ASME standards.
- Dimensional inspections of tank parts prior to erection.
- Tolerance inspection procedures for foundation and erection, to ensure compliance with applicable standards, customer requirements, and ITS acceptable tolerances.
- Visual inspection of weld quality as specified in tank codes.
- Radiographic weld inspection as specified in API or AWWA codes; other weld inspection as called by the customer, API 650 or AWWA codes, including vacuum testing, penetrant oil tests, hardness testing, etc.
- Hydro-testing
- Additional testing as appropriate for other work. Break tests for concrete, film thickness and holiday testing for painting, pressure tests for piping, etc.
- Annual inspections and certification by Factory Mutual for quality control compliance.



# safety program

International Tank Service, Inc. is committed to providing safety for everyone, not only their own workers, but for workers around them. Through technology and innovation we are implementing new and advanced safety practices constantly. At International Tank Service, one accident is too many. As a leader in the industry, ITS looks beyond customer and government regulations insuring the highest safety standards in the industry.



### "Commitment to Safety"

The safety and health of our employees is the first consideration in the operations of International Tank Service, Incorporated. Safety and health in our business must be a part of every operation. Without question it is every employee's responsibility at all levels to ensure that projects are completed safely.

Our objective is a health, safety, security and environmental program that will reduce the number of injuries and illnesses to an absolute minimum, not merely in keeping with, but surpassing, the best experience of operations similar to ours. Our number one goal is nothing less than zero accidents, incidents and injuries in the workplace.

# Safety Solutions and Initiatives

In recent years ITS has taken strides forward in accident prevent and injury management. Better HSE training and education has lent itself to lowering incident ratings annually. A Medical Management Group has allowed our company to better handle incidents and accidents from a medical standpoint as well as from a compliance standpoint.

The trained medical staff and specialist from medical management group work on our behalf to ensure proper treatment while still keeping ITS in compliance with OSHA Reporting Standards.

# Health, Safety, & Environment

In order to ensure all levels of employment understand our main goal of zero accidents, incidents, and injuries, ITS has committed to continually training and educating our personnel on all levels in all subjects concerning HSE matters. Through this training we are able to convey our message of safe working habits. This not only promotes safe working environments, but also promotes good working relationships between ITS and our customers.

In promoting safe work, our customers are able to enjoy added benefits. When our employees are working safely the customer will see; reduction in costs to complete projects, lower risk factors and better compliance with government standards. When our customers understand our commitment to safety, it gives them a greater sense of ease better piece of mind in trusting ITS to complete a project on schedule, in compliance, and safely.



It is our goal to continue mold and adapt to the ever changing world of safety. In order to do so we have developed a multi pronged approach:

- We have set a final goal of zero incidents, accidents, and injuries.
- We monitor each project individually to ensure success and safety work cooperatively.
- Our safety training is Occupational Safety and Health Administration (OSHA) complaint when regarding subject matter.
- We conduct annual OSHA 10 courses and refreshers.
- All of our HSE programs are OSHA and United States Environmental Protection Agency (USEPA) complaint as a minimum, but often we strive to be a step above compliance.



Through technology and innovation we are implementing new and advanced safety practices constantly.

We also participate in web based owner/contractor sourcing services. These services collect, verify and publish our compliance and prevention performance to member companies:

- www.isnetworld.com
- www.pecpremier.com





# fabrication facilities

International Tank Service, Inc.
can respond quickly to our customer's
tank needs because of our on-site
fabrication facility.

Here we cut, roll and fabricate roofs, shells, bottoms, and structurals and make up accessory fittings for the tanks. Completed components are shipped via our own vehicles or commercial motor freight, whichever is more expedient. To assure control over production schedules, our shop's priority is to our own field-erection projects. If you have an emergency that requires an immediate response, we can do it.

#### Fab Shop Equipment

Bertsch Plate Roll
 Capacity: 10'-0" w x 1-3/16" th

 King Vertical Turrett Lathe Capacity: 42" Diameter

Burny 10 CNC Plasma Table
 Capacity: 10'-0" W x 50'-0" L x 2" TH

Roundo Angle Roll
 Capacity: 5" x 5" x 1/2"

Fosdick Radial Drill
 Capacity: 13" Column x 5'-0" Arm

 Driess & Krump Press Brake Capacity: 300 Ton

# our satisfied customers



We are committed

to providing our customers a superior product at a competitive price.

- **Asphalt Materials**
- **BP Oil**
- Bunge North Amercia
- Cargill
- Citgo Petroleum
- Colas Ltd.
- C.W. Matthews
- **DuPont**
- Ergon
- **General Motors**
- Gladieux Refining
- Husky Energy
- Honda of America
- **IBM**
- J.D. Streett
- Kinder Morgan
- Marathon Petroleum
- Magellan
- Midvalley Pipeline
- **Owens Corning**
- Old Castle
- Seneca Petroleum
- Suit-Kote
- Sunoco Logistics
- Valero Refining



### Typical API 650 Tank Sizes

NOMINAL CAPACITY		TANK DIMENSIONS in feet and inches		APPROXIMATE WEIGHT	SHELL RING THICKNESS (In Inches)					TOP ANGLE	
BBLS	GALLONS	DIA.	Nominal Height	IN POUNDS	1	2	3	4	5	6	SIZE
500 1,000 1,500	23,000 42,000 63,000	15-0 20-0 25-0	18-0 18-0 18-0	12,600 18,000 24,200	1/4 1/4 1/4	<sup>3</sup> / <sub>16</sub> <sup>3</sup> / <sub>16</sub>	<sup>3</sup> / <sub>16</sub> <sup>3</sup> / <sub>16</sub> <sup>3</sup> / <sub>16</sub>				2 x 2 x <sup>3</sup> / <sub>16</sub> 2 x 2 x <sup>3</sup> / <sub>16</sub> 2 x 2 x <sup>3</sup> / <sub>16</sub>
2,000 2,500 3,000	87,000 109,000 126,000	25-0 25-0 30-0	24-0 30-0 24-0	28,300 33,700 37,000	1/4 1/4 1/4	3/ <sub>16</sub> 3/ <sub>16</sub> 3/ <sub>16</sub>	3/16 3/16 3/16	<sup>3</sup> / <sub>16</sub> <sup>3</sup> / <sub>16</sub> <sup>3</sup> / <sub>16</sub>	3/16		$2 \times 2 \times \frac{3}{16}$ $2 \times 2 \times \frac{3}{16}$ $2 \times 2 \times \frac{3}{16}$
4,000 5,000 5,000	168,000 210,000 210,000	30-0 30-0 35-0	32-0 40-0 30-0	43,600 51,000 52,000	1/4 1/4 1/4	<sup>3</sup> / <sub>16</sub> <sup>3</sup> / <sub>16</sub>	<sup>3</sup> / <sub>16</sub> <sup>3</sup> / <sub>16</sub>	<sup>3</sup> / <sub>16</sub> <sup>3</sup> / <sub>16</sub> <sup>3</sup> / <sub>16</sub>	3/ <sub>16</sub> 3/ <sub>16</sub> 3/ <sub>16</sub>		$2 \times 2 \times \frac{3}{16}$ $2 \times 2 \times \frac{3}{16}$ $2 \times 2 \times \frac{3}{16}$
7,500 7,500 8,900	324,000 324,000 374,000	36-8 40-0 40-0	40-0 34-0 40-0	68,000 70,000 76,000	1/4 1/4 1/4	<sup>3</sup> / <sub>16</sub> <sup>3</sup> / <sub>16</sub>	<sup>3</sup> / <sub>16</sub> <sup>3</sup> / <sub>16</sub>	3/16 3/16 3/16	3/ <sub>16</sub> 3/ <sub>16</sub> 3/ <sub>16</sub>	3/16	$2 \times 2 \times \frac{1}{4}$ $2 \times 2 \times \frac{1}{4}$ $2 \times 2 \times \frac{1}{4}$
10,000 10,000 10,000	420,000 420,000 420,000	44-0 42-6 45-0	37-6 40-0 36-0	84,650 85,000 85,000	1/4 1/4 1/4	3/16 1/4 3/16	<sup>3</sup> / <sub>16</sub> <sup>3</sup> / <sub>16</sub>	3/ <sub>16</sub> 3/ <sub>16</sub> 3/ <sub>16</sub>	<sup>3</sup> / <sub>16</sub>		2 x 2 x <sup>1</sup> / <sub>4</sub> 2 x 2 x <sup>1</sup> / <sub>4</sub> 2 x 2 x <sup>1</sup> / <sub>4</sub>
12,540 12,500 15,000	525,000 525,000 630,000	45-0 48-0 48-0	44-0 40-0 48-0	98,575 110,000 122,000	.29 .27 .34	1/4 1/4 .27	<sup>3</sup> / <sub>16</sub> <sup>3</sup> / <sub>16</sub> <sup>1</sup> / <sub>4</sub>	<sup>3</sup> / <sub>16</sub> <sup>3</sup> / <sub>16</sub>	3/16 3/16 3/16	<sup>3</sup> / <sub>16</sub>	$\begin{array}{c} 2 \times 2 \times ^{1}/_{4} \\ 2 \times 2 \times ^{1}/_{4} \\ 2 \times 2 \times ^{1}/_{4} \end{array}$
15,000 16,000 20,000	630,000 670,000 846,000	52-0 60-0 60-0	40-0 32-0 40-0	128,000 138,000 164,000	.31 .27 .34	1/4 1/4 .27	1/4 1/4 1/4	1/4 1/4 1/4	1/4 1/4		2 x 2 x <sup>1</sup> / <sub>4</sub> 2 x 2 x <sup>1</sup> / <sub>4</sub> 2 x 2 x <sup>1</sup> / <sub>4</sub>
24,000 20,000 25,000	1,010,000 840,000 1,055,000	60-0 67-0 67-0	48-0 32-0 40-0	195,000 169,000 200,000	.41 .31 .38	.34 ¹/₄ .31	.27 1/4 1/4	1/4 1/4 1/4	1/4	1/4	2 x 2 x <sup>1</sup> / <sub>4</sub> 3 x 3 x <sup>3</sup> / <sub>8</sub> 3 x 3 x <sup>3</sup> / <sub>8</sub>
30,000 30,000 28,500	1,266,000 1,266,000 1,200,000	67-0 73-4 80-0	48-0 40-0 32-0	237,000 237,000 227,000	.46 .42 .38	.38 .34 .27	.31 1/4 1/4	1/4 1/4 1/4	1/4 1/4	1/4	3 x 3 x <sup>3</sup> / <sub>8</sub> 3 x 3 x <sup>3</sup> / <sub>8</sub> 3 x 3 x <sup>3</sup> / <sub>8</sub>
35,000 42,500 45,000	1,504,000 1,790,000 1,900,000	80-0 80-0 90-0	40-0 48-0 40-0	270,000 323,000 331,000	.46 .55 .52	.38 .46 .41	.27 .38 .31	1/4 .27 1/4	1/4 1/4 1/4	1/4	3 x 3 x <sup>3</sup> / <sub>8</sub> 3 x 3 x <sup>3</sup> / <sub>8</sub> 3 x 3 x <sup>3</sup> / <sub>8</sub>
44,500 55,000 67,000	1,870,000 2,350,000 2,810,000	100-0 100-0 100-0	32-0 40-0 48-0	333,000 402,000 485,000	.46 .57 .69	.34 .46 .57	1/4 .34 .46	1/4 1/4 .34	1/4 1/4	1/4	3 x 3 x <sup>3</sup> / <sub>8</sub> 3 x 3 x <sup>3</sup> / <sub>8</sub> 3 x 3 x <sup>3</sup> / <sub>8</sub>
64,000 80,000 96,000	2,700,000 3,384,000 4,030,000	120-0 120-0 120-0	32-0 40-0 48-0	480,000 575,000 690,000	.55 .69 .83	.41 .55 .69	⁵/₁₅ .41 .55	5/16 .27 .41	<sup>5</sup> / <sub>16</sub>	5/16	3 x 3 x <sup>3</sup> / <sub>8</sub> 3 x 3 x <sup>3</sup> / <sub>8</sub> 3 x 3 x <sup>3</sup> / <sub>8</sub>
87,500 100,000 100,000	3,680,000 4,200,000 4,200,000	140-0 134-0 150-0	32-0 40-0 32-0	653,000 721,000 734,000	.64 .76 .68	.47 .61 .52	.31 .46 .34	5/16 .31 5/16	5/16		3 x 3 x <sup>3</sup> / <sub>8</sub> 3 x 3 x <sup>3</sup> / <sub>8</sub> 3 x 3 x <sup>3</sup> / <sub>8</sub>
109,500 125,000 131,500 150,000	4,606,000 5,288,000 5,480,000 6,300,000	140-0 150-0 140-0 150-0	40-0 40-0 48-0 48-0	780,000 882,000 937,000 1,060,000	.80 .86 .96 1.03	.64 .68 .80 .86	.47 .52 .64 .68	.31 .34 .47 .52	5/ <sub>16</sub> 5/ <sub>16</sub> .31 .34	<sup>5</sup> / <sub>16</sub> 5/ <sub>16</sub>	3 x 3 x <sup>3</sup> / <sub>6</sub> 3 x 3 x <sup>3</sup> / <sub>6</sub> 3 x 3 x <sup>3</sup> / <sub>5</sub> 3 x 3 x <sup>3</sup> / <sub>5</sub>

### Weights of Steel Plates

#### **WEIGHT THICKNESS** Fractions Decimals Lbs. per of Inch of Inch Sq. Ft. 3/16 .1875 7.65 7/32 .2187 8.925 1/4 .2500 10.20 9/32 .2813 11.475 .3125 12.75 5/16 11/32 .3437 14.02 $^{3}/_{8}$ .3750 15.30 13/32 .4062 16.57 7/16 17.85 .4375 19.12 15/32 .4687 1/2 .5000 20.40 $^{17}/_{32}$ .5312 21.67 9/16 .5625 22.95 19/32 .5937 24.22 5/8 .6250 25.50 $^{21}/_{32}$ .6562 26.77 11/16 .6875 28.05 $^{23}/_{32}$ .7187 29.32 $^{3}/_{4}$ .7500 30.60 .7812 31.87 13/16 .8125 33.15 $^{27}/_{32}$ .8437 34.42 <sup>7</sup>/8 35.70 .8750 <sup>29</sup>/<sub>32</sub> .9062 36.97 15/16 .9375 38.25 31/32 .9687 39.52 1.0000 40.80 1 1/32 1.0312 42.07 1.0625 1 1/16 43.35

# Average Specific Gravities and Weights for Various Liquids

Liquid   Specific   Gravity   Pounds   Pounds	~~~~~				
Liquid         Gravity         Per U.S. Gallon         per Cubic Ft.           Acetic Acid (100%)         1.05         8.7         66           Alcohol – Commercial         0.833         6.95         52           Asphaltum         1.3         10.8         81           Benzene         0.88         7.3         55           Butane         0.585         5.00         37           Castor Oil         0.964         8.02         60           Caustic         Soda (100%)         2.13         17.8         133           Cottonseed Oil         0.93         7.75         58           Creosote         1.1         9.16         69           Crocoste         1.1         9.16         69           Crocoste         1.1         9.16         69           Cylinder Stock         0.91-0.94         7.58-7.93         57-59           Cocoanut Oil         0.925         7.7         58           Diesel Oil         .90         7.51         56           Ethane         0.446         3.71         28           Ethyl Fluid         1.71         14.2         107           Fuel Oil         9.6         8.0 <t< td=""><td></td><td></td><td>Weight</td><td>Wt. in</td></t<>			Weight	Wt. in	
Liquid         Gravity         Per U.S. Gallon         per Cubic Ft.           Acetic Acid (100%)         1.05         8.7         66           Alcohol – Commercial         0.833         6.95         52           Asphaltum         1.3         10.8         81           Benzene         0.88         7.3         55           Butane         0.585         5.00         37           Castor Oil         0.964         8.02         60           Caustic         Soda (100%)         2.13         17.8         133           Cottonseed Oil         0.93         7.75         58           Creosote         1.1         9.16         69           Crocoste         1.1         9.16         69           Crocoste         1.1         9.16         69           Cylinder Stock         0.91-0.94         7.58-7.93         57-59           Cocoanut Oil         0.925         7.7         58           Diesel Oil         .90         7.51         56           Ethane         0.446         3.71         28           Ethyl Fluid         1.71         14.2         107           Fuel Oil         9.6         8.0 <t< td=""><td></td><td>Specific</td><td>Pounds</td><td colspan="2"></td></t<>		Specific	Pounds		
Acetic Acid (100%)	Liquid		Per U.S.		
Acetic Acid (100%)         1.05         8.7         66           Alcohol –         Commercial         0.833         6.95         52           Asphaltum         1.3         10.8         81           Benzene         0.88         7.3         55           Butane         0.585         5.00         37           Castor Oil         0.964         8.02         60           Caustic         0.93         7.75         58           Creosote         1.1         9.16         69           Creosote         0.1         0.82-0.97         7.58-7.93         57-59           Cocoanut Oil         0.925         7.7         58           Diesel Oil         0.90         7.51         56      <	•	,	l .		
Alcohol — Commercial 0.833 6.95 52 Asphaltum 1.3 10.8 81 Benzene 0.88 7.3 Butane 0.585 5.00 37 Castor Oil 0.964 8.02 60 Caustic Soda (100%) 2.13 17.8 133 Cottonseed Oil 0.93 7.75 58 Creosote 1.1 9.16 69 Crude Oil 0.82-0.97 6.86-8.11 50-62 Cylinder Stock 0.91-0.94 7.58-7.93 57-59 Cocoanut Oil 0.925 7.7 58 Diesel Oil 9.90 7.51 56 Ethane 0.446 3.71 28 Ethyl Fluid 1.71 14.2 107 Fuel Oil 9.6 8.0 60 Gasoline (motor fuel) 0.71-0.82 5.93-6.86 44-51 Gas Oil 0.843 7.0 52 Kerosene 0.81 6.75 51 Lard Oil 0.918 7.64 57 Linseed Oil - Raw 0.93 7.75 58 Liquid Ammonia (100%) 0.62 5.17 39 Lubricating Oil - Light 0.86-0.90 7.17-7.51 54-56 Lubricating Oil - Heavy 0.89-0.93 7.42-7.76 55-58 Methyl Alcohol 0.791 6.6 50 Methyl Alcohol 0.791 7.56 13.0 97 Naphthalene 1.15 9.58 72 Nitric Acid (100%) 1.56 13.0 97 Olive Oil 0.919 7.65 57 Phenol 1.0677 8.89 67 Solvent Naphtah (abt) 8.70 7.2 54 Soya Bean Oil 0.926 7.7 58 Sulphurous Acid 1.43 11.9 89 Tar 1.2 10.03 75 Turpentine 0.86 7.17 54 Water (Sea) 1.03 8.60 63.6 Water 1.0 8.33 62.428					
Commercial         0.833         6.95         52           Asphaltum         1.3         10.8         81           Benzene         0.88         7.3         55           Butane         0.585         5.00         37           Castor Oil         0.964         8.02         60           Caustic         0.964         8.02         60           Crosode         1.1         9.16         69           Creosote         1.1         9.16         69           Creosote         1.1         9.16         6.68-8.11         50-62           Cylinder Stock         0.91-0.94         7.58-7.93         57-59         50-59           Cocoanut Oil         0.82-0.97         7.51-7.51         56         64         45-7           Diesel Oil         1.7		1.05	8.7	66	
Asphaltum         1.3         10.8         81           Benzene         0.88         7.3         55           Butane         0.585         5.00         37           Castor Oil         0.964         8.02         60           Castor Oil         0.93         7.75         58           Creosote         1.1         9.16         69           Creosote         1.1         9.16         69           Creosote         1.1         9.16         69           Cylinder Stock         0.91-0.94         7.58-7.93         57-59           Cylinder Stock         0.91-0.94         7.58-7.93         57-59           Cocoanut Oil         0.925         7.7         58           Diesel Oil         90         7.51         56           Ethane         0.446         3.71         28           Ethyl Fluid         1.71         14.2         107           Fuel Oil         0.71-0.82         5.93-6.86         44-51					
Benzene         0.88         7.3         55           Butane         0.585         5.00         37           Castor Oil         0.964         8.02         60           Caustic         50da (100%)         2.13         17.8         133           Cottonseed Oil         0.93         7.75         58           Creosote         1.1         9.16         69           Crude Oil         0.82-0.97         6.86-8.11         50-62           Cylinder Stock         0.91-0.94         7.58-7.93         57-59           Cocoanut Oil         0.925         7.7         58           Diesel Oil         .90         7.51         56           Ethane         0.446         3.71         28           Ethyl Fluid         1.71         14.2         107           Fuel Oil         .96         8.0         60           Gasoline         (motor fuel)         0.71-0.82         5.93-6.86         44-51           Gas Oil         0.843         7.0         52           Kerosene         0.81         6.75         51           Lard Oil         0.918         7.64         57           Linicating         0il – Light         <	Commercial	0.833	6.95	52	
Butane         0.585         5.00         37           Castor Oil         0.964         8.02         60           Caustic         30da (100%)         2.13         17.8         133           Cottonseed Oil         0.93         7.75         58           Creosote         1.1         9.16         69           Crude Oil         0.82-0.97         6.86-8.11         50-62           Cylinder Stock         0.91-0.94         7.58-7.93         57-59           Cocoanut Oil         0.925         7.7         58           Diesel Oil         .90         7.51         56           Ethane         0.446         3.71         28           Ethyl Fluid         1.71         14.2         107           Fuel Oil         .96         8.0         60           Gasoline         (motor fuel)         0.71-0.82         5.93-6.86         44-51           Gas Oil         0.843         7.0         52           Kerosene         0.81         6.75         51           Lard Oil         0.918         7.64         57           Linseed Oil – Raw         0.93         7.75         58           Liquid Ammonia         (100%)	Asphaltum	1.3	10.8	81	
Castor Oil         0.964         8.02         60           Caustic         2.13         17.8         133           Cottonseed Oil         0.93         7.75         58           Creosote         1.1         9.16         69           Crude Oil         0.82-0.97         6.86-8.11         50-62           Cylinder Stock         0.91-0.94         7.58-7.93         57-59           Cocoanut Oil         0.925         7.7         58           Diesel Oil         .90         7.51         56           Ethane         0.446         3.71         28           Ethyl Fluid         1.71         14.2         107           Fuel Oil         .96         8.0         60           Gasoline         (motor fuel)         0.71-0.82         5.93-6.86         44-51           Kerosene         0.81         6.75         51           Lard Oil         0.918         7.64         57           Liard Oil         0.918         7.64         5	Benzene	0.88	7.3	55	
Castor Oil         0.964         8.02         60           Caustic         2.13         17.8         133           Cottonseed Oil         0.93         7.75         58           Creosote         1.1         9.16         69           Crude Oil         0.82-0.97         6.86-8.11         50-62           Cylinder Stock         0.91-0.94         7.58-7.93         57-59           Cocoanut Oil         0.925         7.7         58           Diesel Oil         .90         7.51         56           Ethane         0.446         3.71         28           Ethyl Fluid         1.71         14.2         107           Fuel Oil         .96         8.0         60           Gasoline         (motor fuel)         0.71-0.82         5.93-6.86         44-51           Kerosene         0.81         6.75         51           Lard Oil         0.918         7.64         57           Liard Oil         0.918         7.64         5	Butane	0.585	5.00	37	
Caustic Soda (100%)         2.13         17.8         133           Cottonseed Oil         0.93         7.75         58           Creosote         1.1         9.16         69           Crude Oil         0.82-0.97         6.86-8.11         50-62           Cylinder Stock         0.91-0.94         7.58-7.93         57-59           Cocoanut Oil         0.925         7.7         58           Diesel Oil         .90         7.51         56           Ethane         0.446         3.71         28           Ethyl Fluid         1.71         14.2         107           Fuel Oil         .96         8.0         60           Gasoline         (motor fuel)         0.71-0.82         5.93-6.86         44-51           Gas Oil         0.843         7.0         52           Kerosene         0.81         6.75         51           Lard Oil         0.918         7.64         57           Lard Oil         0.918         7.64         57           Lard Oil         0.918         7.64         57           Lubricating         0.62         5.17         39           Lubricating         0.1         0.89-0.93					
Soda (100%)         2.13         17.8         133           Cottonseed Oil         0.93         7.75         58           Creosote         1.1         9.16         69           Crude Oil         0.82-0.97         6.86-8.11         50-62           Cylinder Stock         0.91-0.94         7.58-7.93         57-59           Cocoanut Oil         90         7.51         56           Diesel Oil         90         7.51         56           Ethane         0.446         3.71         28           Ethyl Fluid         1.71         14.2         107           Fuel Oil         .96         8.0         60           Gasoline         .96         8.0         60           Gasoline         .9843         7.0         52           Kerosene         0.81         6.75         51           Lard Oil         0.918         7.64         57           Linseed Oil – Raw         0.93         7.75         58           Liquid Ammonia         (100%)         0.62         5.17         39           Lubricating         Oil – Light         0.86-0.90         7.17-7.51         54-56           Lubricating         Oil – Heavy </td <td></td> <td></td> <td>0.02</td> <td></td>			0.02		
Cottonseed Oil         0.93         7.75         58           Creosote         1.1         9.16         69           Crude Oil         0.82-0.97         6.86-8.11         50-62           Cylinder Stock         0.91-0.94         7.58-7.93         57-59           Cocoanut Oil         0.925         7.7         58           Diesel Oil         .90         7.51         56           Ethane         0.446         3.71         28           Ethyl Fluid         1.71         14.2         107           Fuel Oil         .96         8.0         60           Gasoline         (motor fuel)         0.71-0.82         5.93-6.86         44-51           Gas Oil         0.843         7.0         52           Kerosene         0.81         6.75         51           Lard Oil         0.918         7.64         57           Linseed Oil – Raw         0.93         7.75         58           Liquid Ammonia         (100%)         0.62         5.17         39           Lubricating         Oil – Light         0.86-0.90         7.17-7.51         54-56           Lubricating         Oil – Heavy         0.89-0.93         7.42-7.76		2 13	178	133	
Creosote         1.1         9.16         69           Crude Oil         0.82-0.97         6.86-8.11         50-62           Cylinder Stock         0.91-0.94         7.58-7.93         57-59           Cocoanut Oil         0.925         7.7         58           Diesel Oil         .90         7.51         56           Ethane         0.446         3.71         28           Ethyl Fluid         1.71         14.2         107           Fuel Oil         .96         8.0         60           Gasoline         .98         .93         6.6         52           Kerosene         .0.81         6.75         51         Lard         6.75         51           Lard Oil         .0.918         7.64         57         58         Liquid Ammonia         (100%)         0.62         5.17         39           Lubricating					
Crude Oil         0.82-0.97         6.86-8.11         50-62           Cylinder Stock         0.91-0.94         7.58-7.93         57-59           Cocoanut Oil         0.925         7.7         58           Diesel Oil         .90         7.51         56           Ethane         0.446         3.71         28           Ethyl Fluid         1.71         14.2         107           Fuel Oil         .96         8.0         60           Gasoline         (motor fuel)         0.71-0.82         5.93-6.86         44-51           Gas Oil         0.843         7.0         52           Kerosene         0.81         6.75         51           Lard Oil         0.918         7.64         57           Linseed Oil – Raw         0.93         7.75         58           Liquid Ammonia         (100%)         0.62         5.17         39           Lubricating         0.86-0.90         7.17-7.51         54-56           Lubricating         0.89-0.93         7.42-7.76         55-58           Methyl Alcohol         0.791         6.6         50           Muriatic Acid,         40%         1.194         9.9         75      <			t e		
Cylinder Stock         0.91-0.94         7.58-7.93         57-59           Cocoanut Oil         0.925         7.7         58           Diesel Oil         .90         7.51         56           Ethane         0.446         3.71         28           Ethyl Fluid         1.71         14.2         107           Fuel Oil         .96         8.0         60           Gasoline         (motor fuel)         0.71-0.82         5.93-6.86         44-51           Gas Oil         0.843         7.0         52           Kerosene         0.81         6.75         51           Lard Oil         0.918         7.64         57           Linseed Oil – Raw         0.93         7.75         58           Liquid Ammonia         (100%)         0.62         5.17         39           Lubricating         0il – Light         0.86-0.90         7.17-7.51         54-56           Lubricating         0il – Heavy         0.89-0.93         7.42-7.76         55-58           Methyl Alcohol         0.791         6.6         50           Molasses         1.47         12.2         92           Muriatic Acid,         40%         1.194			,		
Cocoanut Oil         0.925         7.7         58           Diesel Oil         .90         7.51         56           Ethane         0.446         3.71         28           Ethyl Fluid         1.71         14.2         107           Fuel Oil         .96         8.0         60           Gasoline         (motor fuel)         0.71-0.82         5.93-6.86         44-51           Gas Oil         0.843         7.0         52           Kerosene         0.81         6.75         51           Lard Oil         0.918         7.64         57           Linseed Oil – Raw         0.93         7.75         58           Liquid Ammonia         (100%)         0.62         5.17         39           Lubricating         0.86-0.90         7.17-7.51         54-56           Lubricating         0.86-0.90         7.17-7.51         54-56           Lubricating         0.89-0.93         7.42-7.76         55-58           Methyl Alcohol         0.791         6.6         50           Molasses         1.47         12.2         92           Muriatic Acid, 40%         1.194         9.9         75           Naphthalene <td></td> <td></td> <td>l .</td> <td></td>			l .		
Diesel Oil         .90         7.51         56           Ethane         0.446         3.71         28           Ethyl Fluid         1.71         14.2         107           Fuel Oil         .96         8.0         60           Gasoline         .96         8.0         60           Gasoline         0.71-0.82         5.93-6.86         44-51           Gas Oil         0.843         7.0         52           Kerosene         0.81         6.75         51           Lard Oil         0.918         7.64         57           Liard Oil         0.918         7.64         57           Liurication         0.92         7.17-7.51         54-56           Lubricating         0.86-0.90         7.17-7.51         54-56           Lubricating         0.89-0.93         7.42-7.76         55-58           Methyl Alcohol         0.791         6.6         50	Cooperat Cit		l		
Ethane         0.446         3.71         28           Ethyl Fluid         1.71         14.2         107           Fuel Oil         .96         8.0         60           Gasoline         0.843         7.0         52           Kerosene         0.81         6.75         51           Lard Oil         0.918         7.64         57           Linseed Oil – Raw         0.93         7.75         58           Liquid Ammonia         (100%)         0.62         5.17         39           Lubricating         0.86-0.90         7.17-7.51         54-56           Lubricating         0.89-0.93         7.42-7.76         55-58           Methyl Alcohol         0.791         6.6         50           Molasses         1.47         12.2         92           Muriatic Acid,         40%         1.194         9.9         75           Naphtha         0.729         6.07         45           Naphthalene         1.15         9.58         72           Nitric Acid (100%)         1.56         13.0         97           Olive Oil         0.919         7.65         57           Phenol         1.0677         8	Cocoanut Oil		l .		
Ethyl Fluid         1.71         14.2         107           Fuel Oil         .96         8.0         60           Gasoline         (motor fuel)         0.71-0.82         5.93-6.86         44-51           Gas Oil         0.843         7.0         52           Kerosene         0.81         6.75         51           Lard Oil         0.918         7.64         57           Linseed Oil – Raw         0.93         7.75         58           Liquid Ammonia         (100%)         0.62         5.17         39           Lubricating         0.86-0.90         7.17-7.51         54-56           Lubricating         0.89-0.93         7.42-7.76         55-58           Methyl Alcohol         0.791         6.6         50           Molasses         1.47         12.2         92           Muriatic Acid,         40%         1.194         9.9         75           Naphtha         0.729         6.07         45           Naphthalene         1.15         9.58         72           Nitric Acid (100%)         1.56         13.0         97           Olive Oil         0.919         7.65         57           Phenol					
Fuel Oil         .96         8.0         60           Gasoline         (motor fuel)         0.71-0.82         5.93-6.86         44-51           Gas Oil         0.843         7.0         52           Kerosene         0.81         6.75         51           Lard Oil         0.918         7.64         57           Linseed Oil – Raw         0.93         7.75         58           Liquid Ammonia         (100%)         0.62         5.17         39           Lubricating         0il – Light         0.86-0.90         7.17-7.51         54-56           Lubricating         0il – Heavy         0.89-0.93         7.42-7.76         55-58           Methyl Alcohol         0.791         6.6         50           Molasses         1.47         12.2         92           Muriatic Acid,         40%         1.194         9.9         75           Naphthalene         1.15         9.58         72           Naphthalene         1.15         9.58         72           Nitric Acid (100%)         1.56         13.0         97           Olive Oil         0.919         7.65         57           Phenol         1.0677         8.89				28	
Gasoline (motor fuel)         0.71-0.82         5.93-6.86         44-51           Gas Oil         0.843         7.0         52           Kerosene         0.81         6.75         51           Lard Oil         0.918         7.64         57           Linseed Oil – Raw         0.93         7.75         58           Liquid Ammonia (100%)         0.62         5.17         39           Lubricating Oil – Light         0.86-0.90         7.17-7.51         54-56           Lubricating Oil – Heavy         0.89-0.93         7.42-7.76         55-58           Methyl Alcohol         0.791         6.6         50           Molasses         1.47         12.2         92           Muriatic Acid, 40%         1.194         9.9         75           Naphthalene         1.15         9.58         72           Nitric Acid (100%)         1.56         13.0         97           Olive Oil         0.919         7.65         57           Phenol         1.0677         8.89         67           Pitch         1.11         9.27         69           Propane         0.509         4.24         32           Solvent         Naphtah (abt)		1.71	14.2	107	
(motor fuel)         0.71-0.82         5.93-6.86         44-51           Gas Oil         0.843         7.0         52           Kerosene         0.81         6.75         51           Lard Oil         0.918         7.64         57           Linseed Oil – Raw         0.93         7.75         58           Liquid Ammonia         (100%)         0.62         5.17         39           Lidricating         0il – Light         0.86-0.90         7.17-7.51         54-56           Lubricating         0il – Heavy         0.89-0.93         7.42-7.76         55-58           Methyl Alcohol         0.791         6.6         50           Molasses         1.47         12.2         92           Muriatic Acid,         40%         1.194         9.9         75           Naphtha         0.729         6.07         45           Naphthalene         1.15         9.58         72           Nitric Acid (100%)         1.56         13.0         97           Olive Oil         0.919         7.65         57           Phenol         1.0677         8.89         67           Pitch         1.11         9.27         69	Fuel Oil	.96	8.0	60	
Gas Oil         0.843         7.0         52           Kerosene         0.81         6.75         51           Lard Oil         0.918         7.64         57           Linseed Oil – Raw         0.93         7.75         58           Liquid Ammonia         (100%)         0.62         5.17         39           Lubricating         0il – Light         0.86-0.90         7.17-7.51         54-56           Lubricating         0il – Heavy         0.89-0.93         7.42-7.76         55-58           Methyl Alcohol         0.791         6.6         50           Molasses         1.47         12.2         92           Muriatic Acid,         40%         1.194         9.9         75           Naphtha         0.729         6.07         45           Naphthalene         1.15         9.58         72           Nitric Acid (100%)         1.56         13.0         97           Olive Oil         0.919         7.65         57           Phenol         1.0677         8.89         67           Pitch         1.11         9.27         69           Propane         0.509         4.24         32	Gasoline				
Gas Oil         0.843         7.0         52           Kerosene         0.81         6.75         51           Lard Oil         0.918         7.64         57           Linseed Oil – Raw         0.93         7.75         58           Liquid Ammonia         (100%)         0.62         5.17         39           Lubricating         0il – Light         0.86-0.90         7.17-7.51         54-56           Lubricating         0il – Heavy         0.89-0.93         7.42-7.76         55-58           Methyl Alcohol         0.791         6.6         50           Molasses         1.47         12.2         92           Muriatic Acid,         40%         1.194         9.9         75           Naphtha         0.729         6.07         45           Naphthalene         1.15         9.58         72           Nitric Acid (100%)         1.56         13.0         97           Olive Oil         0.919         7.65         57           Phenol         1.0677         8.89         67           Pitch         1.11         9.27         69           Propane         0.509         4.24         32	(motor fuel)	0.71-0.82	5.93-6.86	44-51	
Kerosene       0.81       6.75       51         Lard Oil       0.918       7.64       57         Linseed Oil – Raw       0.93       7.75       58         Liquid Ammonia       (100%)       0.62       5.17       39         Lidericating       0il – Light       0.86-0.90       7.17-7.51       54-56         Lubricating       0il – Heavy       0.89-0.93       7.42-7.76       55-58         Methyl Alcohol       0.791       6.6       50         Molasses       1.47       12.2       92         Muriatic Acid,       40%       1.194       9.9       75         Naphtha       0.729       6.07       45         Naphthalene       1.15       9.58       72         Nitric Acid (100%)       1.56       13.0       97         Olive Oil       0.919       7.65       57         Phenol       1.0677       8.89       67         Pitch       1.11       9.27       69         Propane       0.509       4.24       32         Solvent       387       7.2       54         Naphtah (abt)       870       7.2       54         Soya Bean Oil		0.843	7.0	52	
Lard Oil       0.918       7.64       57         Linseed Oil – Raw       0.93       7.75       58         Liquid Ammonia (100%)       0.62       5.17       39         Lubricating Oil – Light       0.86-0.90       7.17-7.51       54-56         Lubricating Oil – Heavy       0.89-0.93       7.42-7.76       55-58         Methyl Alcohol       0.791       6.6       50         Molasses       1.47       12.2       92         Muriatic Acid, 40%       1.194       9.9       75         Naphtha       0.729       6.07       45         Naphthalene       1.15       9.58       72         Nitric Acid (100%)       1.56       13.0       97         Olive Oil       0.919       7.65       57         Phenol       1.0677       8.89       67         Pitch       1.11       9.27       69         Propane       0.509       4.24       32         Solvent       387       7.2       54         Naphtah (abt)       .870       7.2       54         Soya Bean Oil       0.926       7.7       58         Sulphuric       30.86       7.17       54		0.81			
Linseed Oil – Raw					
Liquid Ammonia       0.62       5.17       39         Lubricating       0.86-0.90       7.17-7.51       54-56         Lubricating       0.89-0.93       7.42-7.76       55-58         Methyl Alcohol       0.791       6.6       50         Molasses       1.47       12.2       92         Muriatic Acid,       40%       1.194       9.9       75         Naphtha       0.729       6.07       45         Naphthalene       1.15       9.58       72         Nitric Acid (100%)       1.56       13.0       97         Olive Oil       0.919       7.65       57         Phenol       1.0677       8.89       67         Pitch       1.11       9.27       69         Propane       0.509       4.24       32         Solvent       Naphtah (abt)       .870       7.2       54         Soya Bean Oil       0.926       7.7       58         Sulphuric       Acid (100%)       1.84       15.3       115         Sulphurous Acid       1.43       11.9       89         Tar       1.2       10.03       75         Turpentine       0.86       7.17 <td></td> <td></td> <td></td> <td>1</td>				1	
(100%)       0.62       5.17       39         Lubricating       0il – Light       0.86-0.90       7.17-7.51       54-56         Lubricating       0il – Heavy       0.89-0.93       7.42-7.76       55-58         Methyl Alcohol       0.791       6.6       50         Molasses       1.47       12.2       92         Muriatic Acid,       40%       1.194       9.9       75         Naphtha       0.729       6.07       45         Naphthalene       1.15       9.58       72         Nitric Acid (100%)       1.56       13.0       97         Olive Oil       0.919       7.65       57         Phenol       1.0677       8.89       67         Pitch       1.11       9.27       69         Propane       0.509       4.24       32         Solvent       Naphtah (abt)       .870       7.2       54         Soya Bean Oil       0.926       7.7       58         Sulphuric       Acid (100%)       1.84       15.3       115         Sulphurous Acid       1.43       11.9       89         Tar       1.2       10.03       75         Turpent		0.00	7.75	30	
Lubricating       0il – Light       0.86-0.90       7.17-7.51       54-56         Lubricating       0il – Heavy       0.89-0.93       7.42-7.76       55-58         Methyl Alcohol       0.791       6.6       50         Molasses       1.47       12.2       92         Muriatic Acid,       40%       1.194       9.9       75         Naphtha       0.729       6.07       45         Naphthalene       1.15       9.58       72         Nitric Acid (100%)       1.56       13.0       97         Olive Oil       0.919       7.65       57         Phenol       1.0677       8.89       67         Pitch       1.11       9.27       69         Propane       0.509       4.24       32         Solvent       Naphtah (abt)       .870       7.2       54         Soya Bean Oil       0.926       7.7       58         Sulphuric       Acid (100%)       1.84       15.3       115         Sulphurous Acid       1.43       11.9       89         Tar       1.2       10.03       75         Turpentine       0.86       7.17       54         Wat		0.60	E 17	20	
Oil – Light         0.86-0.90         7.17-7.51         54-56           Lubricating         0.89-0.93         7.42-7.76         55-58           Methyl Alcohol         0.791         6.6         50           Molasses         1.47         12.2         92           Muriatic Acid,         40%         1.194         9.9         75           Naphtha         0.729         6.07         45           Naphthalene         1.15         9.58         72           Nitric Acid (100%)         1.56         13.0         97           Olive Oil         0.919         7.65         57           Phenol         1.0677         8.89         67           Pitch         1.11         9.27         69           Propane         0.509         4.24         32           Solvent         Naphtah (abt)         .870         7.2         54           Soya Bean Oil         0.926         7.7         58           Sulphuric         Acid (100%)         1.84         15.3         115           Sulphurous Acid         1.43         11.9         89           Tar         1.2         10.03         75           Turpentine <t< td=""><td></td><td>0.62</td><td>5.17</td><td>39</td></t<>		0.62	5.17	39	
Lubricating       Oil – Heavy       0.89-0.93       7.42-7.76       55-58         Methyl Alcohol       0.791       6.6       50         Molasses       1.47       12.2       92         Muriatic Acid, 40%       1.194       9.9       75         Naphtha       0.729       6.07       45         Naphthalene       1.15       9.58       72         Nitric Acid (100%)       1.56       13.0       97         Olive Oil       0.919       7.65       57         Phenol       1.0677       8.89       67         Pitch       1.11       9.27       69         Propane       0.509       4.24       32         Solvent       Naphtah (abt)       .870       7.2       54         Soya Bean Oil       0.926       7.7       58         Sulphuric       Acid (100%)       1.84       15.3       115         Acid (100%)       1.84       15.3       115         Sulphurous Acid       1.43       11.9       89         Tar       1.2       10.03       75         Turpentine       0.86       7.17       54         Water (Sea)       1.03       8.60 </td <td>Cit Light</td> <td>0.00.000</td> <td>747754</td> <td>54.50</td>	Cit Light	0.00.000	747754	54.50	
Oil – Heavy         0.89-0.93         7.42-7.76         55-58           Methyl Alcohol         0.791         6.6         50           Molasses         1.47         12.2         92           Muriatic Acid, 40%         1.194         9.9         75           Naphtha         0.729         6.07         45           Naphthalene         1.15         9.58         72           Nitric Acid (100%)         1.56         13.0         97           Olive Oil         0.919         7.65         57           Phenol         1.0677         8.89         67           Pitch         1.11         9.27         69           Propane         0.509         4.24         32           Solvent         Naphtah (abt)         .870         7.2         54           Soya Bean Oil         0.926         7.7         58           Sulphuric         Acid (100%)         1.84         15.3         115           Sulphurous Acid         1.43         11.9         89           Tar         1.2         10.03         75           Turpentine         0.86         7.17         54           Water (Sea)         1.03         8.		0.86-0.90	7.17-7.51	54-56	
Methyl Alcohol       0.791       6.6       50         Molasses       1.47       12.2       92         Muriatic Acid,       40%       1.194       9.9       75         Naphtha       0.729       6.07       45         Naphthalene       1.15       9.58       72         Nitric Acid (100%)       1.56       13.0       97         Olive Oil       0.919       7.65       57         Phenol       1.0677       8.89       67         Pitch       1.11       9.27       69         Propane       0.509       4.24       32         Solvent       Naphtah (abt)       .870       7.2       54         Soya Bean Oil       0.926       7.7       58         Sulphuric       Acid (100%)       1.84       15.3       115         Sulphurous Acid       1.43       11.9       89         Tar       1.2       10.03       75         Turpentine       0.86       7.17       54         Water (Sea)       1.03       8.60       63.6         Water       1.0       8.33       62.428					
Molasses       1.47       12.2       92         Muriatic Acid,       40%       1.194       9.9       75         Naphtha       0.729       6.07       45         Naphthalene       1.15       9.58       72         Nitric Acid (100%)       1.56       13.0       97         Olive Oil       0.919       7.65       57         Phenol       1.0677       8.89       67         Pitch       1.11       9.27       69         Propane       0.509       4.24       32         Solvent       Naphtah (abt)       .870       7.2       54         Soya Bean Oil       0.926       7.7       58         Sulphuric       Acid (100%)       1.84       15.3       115         Sulphurous Acid       1.43       11.9       89         Tar       1.2       10.03       75         Turpentine       0.86       7.17       54         Water (Sea)       1.03       8.60       63.6         Water       1.0       8.33       62.428					
Muriatic Acid,       40%       1.194       9.9       75         Naphtha       0.729       6.07       45         Naphthalene       1.15       9.58       72         Nitric Acid (100%)       1.56       13.0       97         Olive Oil       0.919       7.65       57         Phenol       1.0677       8.89       67         Pitch       1.11       9.27       69         Propane       0.509       4.24       32         Solvent       Naphtah (abt)       .870       7.2       54         Soya Bean Oil       0.926       7.7       58         Sulphuric       Acid (100%)       1.84       15.3       115         Sulphurous Acid       1.43       11.9       89         Tar       1.2       10.03       75         Turpentine       0.86       7.17       54         Water (Sea)       1.03       8.60       63.6         Water       1.0       8.33       62.428					
40%         1.194         9.9         75           Naphtha         0.729         6.07         45           Naphthalene         1.15         9.58         72           Nitric Acid (100%)         1.56         13.0         97           Olive Oil         0.919         7.65         57           Phenol         1.0677         8.89         67           Pitch         1.11         9.27         69           Propane         0.509         4.24         32           Solvent         Naphtah (abt)         .870         7.2         54           Soya Bean Oil         0.926         7.7         58           Sulphuric         Acid (100%)         1.84         15.3         115           Sulphurous Acid         1.43         11.9         89           Tar         1.2         10.03         75           Turpentine         0.86         7.17         54           Water (Sea)         1.03         8.60         63.6           Water         1.0         8.33         62.428		1.47	12.2	92	
Naphtha       0.729       6.07       45         Naphthalene       1.15       9.58       72         Nitric Acid (100%)       1.56       13.0       97         Olive Oil       0.919       7.65       57         Phenol       1.0677       8.89       67         Pitch       1.11       9.27       69         Propane       0.509       4.24       32         Solvent       870       7.2       54         Naphtah (abt)       870       7.2       54         Soya Bean Oil       0.926       7.7       58         Sulphuric       Acid (100%)       1.84       15.3       115         Sulphurous Acid       1.43       11.9       89         Tar       1.2       10.03       75         Turpentine       0.86       7.17       54         Water (Sea)       1.03       8.60       63.6         Water       1.0       8.33       62.428	,				
Naphthalene         1.15         9.58         72           Nitric Acid (100%)         1.56         13.0         97           Olive Oil         0.919         7.65         57           Phenol         1.0677         8.89         67           Pitch         1.11         9.27         69           Propane         0.509         4.24         32           Solvent         Naphtah (abt)         .870         7.2         54           Soya Bean Oil         0.926         7.7         58           Sulphuric			9.9	75	
Nitric Acid (100%)       1.56       13.0       97         Olive Oil       0.919       7.65       57         Phenol       1.0677       8.89       67         Pitch       1.11       9.27       69         Propane       0.509       4.24       32         Solvent       .870       7.2       54         Naphtah (abt)       .870       7.2       54         Soya Bean Oil       0.926       7.7       58         Sulphuric       Acid (100%)       1.84       15.3       115         Sulphurous Acid       1.43       11.9       89         Tar       1.2       10.03       75         Turpentine       0.86       7.17       54         Water (Sea)       1.03       8.60       63.6         Water       1.0       8.33       62.428	Naphtha	0.729	6.07	45	
Nitric Acid (100%)       1.56       13.0       97         Olive Oil       0.919       7.65       57         Phenol       1.0677       8.89       67         Pitch       1.11       9.27       69         Propane       0.509       4.24       32         Solvent       0.509       4.24       32         Naphtah (abt)       .870       7.2       54         Soya Bean Oil       0.926       7.7       58         Sulphuric       3.84       15.3       115         Acid (100%)       1.84       15.3       115         Sulphurous Acid       1.43       11.9       89         Tar       1.2       10.03       75         Turpentine       0.86       7.17       54         Water (Sea)       1.03       8.60       63.6         Water       1.0       8.33       62.428	Naphthalene	1.15	9.58	72	
Olive Oil         0.919         7.65         57           Phenol         1.0677         8.89         67           Pitch         1.11         9.27         69           Propane         0.509         4.24         32           Solvent         870         7.2         54           Soya Bean Oil         0.926         7.7         58           Sulphuric         32         32           Acid (100%)         1.84         15.3         115           Sulphurous Acid         1.43         11.9         89           Tar         1.2         10.03         75           Turpentine         0.86         7.17         54           Water (Sea)         1.03         8.60         63.6           Water         1.0         8.33         62.428	Nitric Acid (100%)				
Phenol         1.0677         8.89         67           Pitch         1.11         9.27         69           Propane         0.509         4.24         32           Solvent         870         7.2         54           Soya Bean Oil         0.926         7.7         58           Sulphuric         1.84         15.3         115           Sulphurous Acid         1.43         11.9         89           Tar         1.2         10.03         75           Turpentine         0.86         7.17         54           Water (Sea)         1.03         8.60         63.6           Water         1.0         8.33         62.428					
Pitch         1.11         9.27         69           Propane         0.509         4.24         32           Solvent         870         7.2         54           Naphtah (abt)         0.926         7.7         58           Sulphuric         1.84         15.3         115           Acid (100%)         1.84         15.3         115           Sulphurous Acid         1.43         11.9         89           Tar         1.2         10.03         75           Turpentine         0.86         7.17         54           Water (Sea)         1.03         8.60         63.6           Water         1.0         8.33         62.428				i I	
Propane       0.509       4.24       32         Solvent       .870       7.2       54         Naphtah (abt)       0.926       7.7       58         Sulphuric       .84       15.3       115         Acid (100%)       1.84       15.3       115         Sulphurous Acid       1.43       11.9       89         Tar       1.2       10.03       75         Turpentine       0.86       7.17       54         Water (Sea)       1.03       8.60       63.6         Water       1.0       8.33       62.428				1	
Solvent       .870       7.2       54         Naphtah (abt)       .870       7.2       54         Soya Bean Oil       0.926       7.7       58         Sulphuric       .84       15.3       115         Acid (100%)       1.84       15.3       115         Sulphurous Acid       1.43       11.9       89         Tar       1.2       10.03       75         Turpentine       0.86       7.17       54         Water (Sea)       1.03       8.60       63.6         Water       1.0       8.33       62.428					
Naphtah (abt)       .870       7.2       54         Soya Bean Oil       0.926       7.7       58         Sulphuric       1.84       15.3       115         Acid (100%)       1.84       11.9       89         Tar       1.2       10.03       75         Turpentine       0.86       7.17       54         Water (Sea)       1.03       8.60       63.6         Water       1.0       8.33       62.428		0.009	7.67	ا عد	
Soya Bean Oil       0.926       7.7       58         Sulphuric       1.84       15.3       115         Acid (100%)       1.84       15.3       115         Sulphurous Acid       1.43       11.9       89         Tar       1.2       10.03       75         Turpentine       0.86       7.17       54         Water (Sea)       1.03       8.60       63.6         Water       1.0       8.33       62.428		970	7.0	EA	
Sulphuric       Acid (100%)     1.84     15.3     115       Sulphurous Acid     1.43     11.9     89       Tar     1.2     10.03     75       Turpentine     0.86     7.17     54       Water (Sea)     1.03     8.60     63.6       Water     1.0     8.33     62.428	,		1	1 - 1	
Acid (100%)       1.84       15.3       115         Sulphurous Acid       1.43       11.9       89         Tar       1.2       10.03       75         Turpentine       0.86       7.17       54         Water (Sea)       1.03       8.60       63.6         Water       1.0       8.33       62.428		0.926	1.1	58	
Sulphurous Acid     1.43     11.9     89       Tar     1.2     10.03     75       Turpentine     0.86     7.17     54       Water (Sea)     1.03     8.60     63.6       Water     1.0     8.33     62.428		4.04	45.5		
Tar     1.2     10.03     75       Turpentine     0.86     7.17     54       Water (Sea)     1.03     8.60     63.6       Water     1.0     8.33     62.428					
Turpentine     0.86     7.17     54       Water (Sea)     1.03     8.60     63.6       Water     1.0     8.33     62.428					
Water (Sea)       1.03       8.60       63.6         Water       1.0       8.33       62.428			10.03		
Water 1.0 8.33 62.428		0.86	7.17	54	
Water 1.0 8.33 62.428		1.03	8.60	63.6	
		1.0	8.33	62.428	
		13.5959		849.	













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