

Mr. Bheem Kothur
Hazardous Waste Regulation Section
MS#4560
2600 Blair Stone Road
Tallahassee, Florida 32399-2400



December 8, 2014

Attached please find an application for a Used Oil Processing Permit for U.S. Lubricant, LLC. The facility location is:

U.S. Lubricant, LLC.
7855 West 2nd Ct. Bay-#2
Hialeah, FL 33012

Facility ID: FLR 000 213 777 ASZ
Dec 30, 2014

The facility is primarily designed for used oil treatment and processing. Used oil will be filtered, dewatered, discolored and degassed from impurities resulting in an oil base that is clear. This product (Base Oil) is then mixed and blended with an additive package reflecting ASTM and API Standards to achieve new recycled oil.

Also included is a check for \$2,000.00 for the Used Oil Processing Permit fee.

I would like to request a meeting at your earliest convenience to review the application and answer any preliminary questions you might have.

Thank you for your attention to this matter. I look forward to working with you and your staff.

Sincerely,



Jose Fernandez, Owner.

HOLD TO LIGHT TO VIEW WATERMARK IN PAPER. (HEAT SENSITIVE RED IMAGE DISAPPEARS WITH HEAT) (DETECTION AREA REVEALS A LOCK WHEN TESTED)

3428

US LUBRICANTS LLC

DATE 12 / 08 / 14 63-9059-2670

PAY
TO THE
ORDER OF

F.D.E.P.

\$ 2000.00

Two Thousands

00/100

DOLLARS



BankUnited

1-877-779-2285
www.bankunited.com

FOR

(Processing Permit)

on



⑈003428⑈ ⑆267090594⑆

9852424884⑈

USED OIL PROCESSING FACILITY PERMIT APPLICATION

Part I

TO BE COMPLETED BY ALL APPLICANTS (*Please type or print*)

A. General Information

1. New ☒ Renewal ☐ Modification ☐ Date current permit expires _____

2. Revision number _____

3. NOTE: Used Oil Processors must also meet all applicable subparts, (describe compliance in process description for applicable standards) if they are:

- ☐ Generators (Subpart C of Part 279)
☒ Transporters (Subpart E)
☐ Burners of off-spec used oil (Subpart G)
☒ Marketers (Subpart H)
☐ are disposing of used oil (Subpart I)

4. Date current operation began: 30 Days From 01/08/2015 P. upon issue of permit.

5. Facility name: U.S. Lubrant LLC

6. EPA identification number: FLR 000 213 777 P

8. Facility mailing address: 7855 West 2nd Ct. Bay #2 Hialeah, FL 33012

Street or P.O. Box City State Zip Code

9. Contact person: JOSE FERNANDEZ Telephone: (305) 477-7338

Title: Sale Manager Email: JOSE F@US-LUBES.COM

Mailing Address:
P.O. Box 523212 Miami FL 33152
Street or P.O. Box City State Zip Code

10. Operator's name: JOSE FERNANDEZ Telephone: (305) 477-7338

Mailing Address:
P.O. Box 523212 Miami FL 33152
Street or P.O. Box City State Zip Code

11. Facility owner's name: JOSE FERNANDEZ Telephone: (305) 477-7338

Mailing Address:
P.O. Box 523212 Miami FL 33152
Street or P.O. Box City State Zip Code

12. Legal structure:

- ☐ Corporation (indicate state of incorporation) _____
☒ Individual (list name and address of each owner in spaces provided below)
☐ Partnership (list name and address of each owner in spaces provided below)
☐ Other, e.g., government (please specify) _____

If an individual, partnership, or business is operating under an assumed name, enter the county and state where the name is registered: County Dade State FLA

Name: JOSE FERNANDEZ

Mailing Address:

P.O. Box 523212 Miami FLA 33152
Street or P.O. Box City State Zip Code

Name:

Mailing Address:

Street or P.O. Box City State Zip Code

Name:

Mailing Address:

Street or P.O. Box City State Zip Code

Name:

Mailing Address:

Street or P.O. Box City State Zip Code

13. Site ownership status: ☐ owned ☐ to be purchased ☒ to be leased 2 years
☐ presently leased; the expiration date of the lease is: _____

If leased, indicate: Land owner's name: COMMERCIAL MANAGEMENT GROUP, LLC
Mailing Address:

Street or P.O. Box City State Zip Code

14. Name of professional engineer Alberio F. Webber III PE Registration No. FL LIC. No 22203

Mailing Address:

P.O. Box 220054 Hollywood FLA 33024
Street or P.O. Box City State Zip Code

Associated with: _____

B. SITE INFORMATION

1. Facility location:

County: MIAMI / Dade County

Nearest community: Miami

Latitude: 25.893829 Longitude: -8.288803

Section: 30 Township: 52 Range: 41 EAST

UTM # _____ / _____ / _____

2. Facility size (area in acres): 1500 +/- P

3. Attach a topographic map of the facility area and a scale drawing and photographs of the facility showing the location of all past, present and future material and waste receiving, storage and processing areas, including size and location of tanks, containers, pipelines and equipment. Also show incoming and outgoing material and waste traffic pattern including estimated volume and controls.

The facility's detailed process description is labeled as Attachment SITE PLAN #1

C. OPERATING INFORMATION

1. Hazardous waste generator status (SQG, LQG, Etc.) _____

2. List applicable EPA hazardous waste codes:

3. Attach a brief description of the facility operation, nature of the business, and activities that it intends to conduct, and the anticipated number of employees. No proprietary information need be included in this narrative.

A brief description of the facility operation is labeled as Attachment 1.

4. A detailed description of the process flow should be included. This description should discuss the overall scope of the operation including analysis, treatment, storage and other processing, beginning with the arrival of an incoming shipment to the departure of an outgoing shipment. Include items such as size and location of tanks, containers, etc. A detailed site map, drawn to scale, should be attached to this description. [See item four (4), page four (4) of the instructions.]

The facility's detailed process description is labeled as Attachment 2 & Addendum 1.

5. The following parts of the facility's operating plan should be included as attachments to the permit application. [See item five (5), page four (4) of the instructions.]

a. An analysis plan which must include:

- (i) a sampling plan, including methods and frequency of sampling and analyses;
- (ii) a description of the fingerprint analysis on incoming shipments, as appropriate; and
- (iii) an analysis plan for each outgoing shipment (one batch/lot can equal a shipment provided the lots are discreet units) to include: metals and halogen content

The analysis plan is labeled as Attachment 3 & MANIFEST #1.

b. A description of the management of sludges, residues and byproducts. This must include the characterization analysis as well as the frequency of sludge removal.

Sludge, residue and byproduct management description is labeled as Attachment 4.

c. A tracking plan which must include the name, address and EPA identification number of the transporter, origin, destination, quantities and dates of all incoming and outgoing shipments of used oil.

The tracking plan is included as Attachment 5.

6. Attach a copy of the facility's preparedness and prevention plan. This requirement may be satisfied by modifying or expounding upon an existing SPCC plan. Describe how the facility is maintained and operated to minimize the possibility of a fire, explosion or any unplanned releases of used oil to air, soil, surface water or groundwater which could threaten human health or the environment. [See item six (6), page five (5) of the instructions.]

The preparedness and prevention plan is labeled as Attachment 6.

7. Attach a copy of the facility's Contingency Plan. This requirement should describe emergency management personnel and procedures and may be met using a modifying or expounding on an existing SPCC plan or should contain the items listed in the Specific Instructions. [See item seven (7), page five (5) of the instructions.]

The contingency plan is labeled as Attachment 7 & EVACUATION PLAN.

8. Attach a description of the facility's unit management for tanks and containers holding used oil. This attachment must describe secondary containment specifications, inspection and monitoring schedules and corrective actions. This attachment must also provide evidence that all used oil process and storage tanks meet the requirements described in item 8b on page 6 of the specific instructions, and should be certified by a professional engineer, as applicable.

The unit management description is labeled as Attachment 8.

9. Attach a copy of the facility's Closure plan and schedule. This plan may be generic in nature and will be modified to address site specific closure standards at the time of closure. [See item nine (9), page six (6) of the instructions.]

The closure plan is labeled as Attachment 9.

10. Attach a copy of facility's employee training for used oil management. This attachment should describe the methods or materials, frequency, and documentation of the training of employees in familiarity with state and federal rules and regulations as well as personal safety and emergency response equipment and procedures. [See item ten (10), page seven (7) of the instructions.]

A description of employee training is labeled as Attachment 10.

APPLICATION FORM FOR A USED OIL PROCESSING PERMIT

PART II - CERTIFICATION

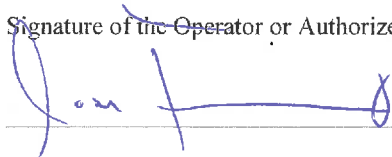
TO BE COMPLETED BY ALL APPLICANTS

Form 62-710.901(6) Operator Certification

Facility Name: U.S. Lubricant EPA ID# Applied For

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment or knowing violations. Further, I agree to comply with the provisions of Chapter 403, Florida Statutes, Chapters 62701 and 62-710, F.A.C., and all rules and regulations of the Department of Environmental Protection

Signature of the Operator or Authorized Representative*



Joe Fernandez Sole Manager

Name and Title (Please type or print)

Date: 12/08/14 Telephone: (305) 477-7338

* If authorized representative, attach letter of authorization.

APPLICATION FROM FOR A USED OIL PROCESSING PERMIT

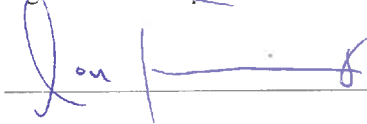
PART II - CERTIFICATION

Form 62-710.901(6) Facility Owner Certification

Facility Name: U.S. Lubricant LLC EPA ID# Applios For.

This is to certify that I understand this application is submitted for the purpose of obtaining a permit to construct, or operate a used oil processing facility. As the facility owner, I understand fully that the facility operator and I are jointly responsible for compliance with the provisions of Chapter 403, Florida Statutes, Chapters 62-701 and 62-710, F.A.C., and all rules and regulations of the Department of Environmental Protection.

Signature of the Operator or Authorized Representative*



Jon Fernandez Sole Manager
Name and Title (Please type or print)

Date: 12/08/14 Telephone: (305) 477-7338

* If authorized representative, attach letter of authorization.

APPLICATION FROM FOR A USED OIL PROCESSING PERMIT

PART II - CERTIFICATION

Form 62-710.901(6) Land Owner Certification

Facility Name: U.S. Lubricant LLC EPA ID# Applied For:

This is to certify that I, as land owner, understand that this application is submitted for the purpose of obtaining a permit to construct, or operate a used oil processing facility on the property as described.

Signature of the Operator or Authorized Representative*

Commercial Management Group LLC

Richard Paredes MEMBER
Name and Title (Please type or print)

Date: 11-18-14 Telephone: (305) 883-8881

* If authorized representative, attach letter of authorization.

APPLICATION FORM FOR A USED OIL PROCESSING PERMIT

PART II - CERTIFICATION

Form 62-710.901(6) P.E. Certification [Complete when required by Chapter 471, F.S. and Rules 62 - 4.050, 62-761, 62-762, 62-701 and 62-710, F.A.C.]

Use this form to certify to the Department of Environmental Protection for:

1. Certification of secondary containment adequacy (capacity), structural integrity (structural strength), and underground process piping for storage tanks, process tanks, and container storage.
2. Certification of leak detection.
3. Substantial construction modifications.
4. Those elements of a closure plan requiring the expertise of an engineer.
5. Tank design for new or additional tanks.
6. Recertification of above items.

Please Print or Type

X Initial Certification _____ Recertification _____

1. DEP Facility ID Number: APPLIED For 2. Tank Numbers: 2

3. Facility Name: U.S. LUBRICANT LLC

4. Facility Address: 7855 W 2CT Highland, FL 33012

This is to certify that the engineering features of this used oil processing facility have been designed/examined by me and found to conform to engineering principles applicable to such facilities. In my professional judgment, this facility, when properly constructed, maintained and operated, or closed, will comply with all applicable statutes of the State of Florida and rules of the Department of Environmental Protection.

[Signature]
Signature

ALBERT F. WEBBER III (P.E.)
Name (please type)

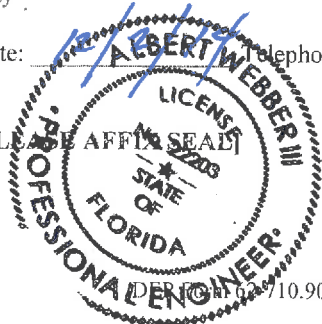
Florida Registration Number: FL. Lic. No 22203 ✓

Mailing Address: P.O. Box 220054

Hollywood Street or P. O. Box FL 33022
City State Zip

Date: 10/10/10 Telephone () _____

[PLACE AFFIX SEAL]



ATTACHMENT #1

A DETAILED SITE PLAN (SITE PLAN 1) IS ALSO ATTACHED.

U.S. Lubricants, LLC operates a used oil collection; transportation, processing, marketing and recycling business which serves a variety of automotive, commercial and industrial businesses throughout South Florida.

- **TYPES OF PRODUCTS COLLECTED.**

Automotive, industrial used oils, as well as oily wastewaters, oil filters, oily rags/absorbents, and used automotive coolants are collected. Hazardous waste products, as defined in 40 CFR 261 are not allowed.

- **FLEET VEHICLES.**

U.S. Lubricants LLC maintains a fleet with a total of 3 trucks; 2 pump trucks and 1 box truck with lift gate to collect used oil filters.

U.S. Lubricants, LLC anticipated number of employees: 2.

ATTACHMENT #2

A DETAILED SITE PLAN (SITE PLAN 1) IS ALSO ATTACHED.

- **PROCESS DESCRIPTION.**

Used oil firstly pumped into primary filter to remove big size particles, then goes into reaction system through oil pump, adding certain amounts of flocculants and de-coloring into it, mixing and heating. Then with electric-charged, particulate becomes big one under the effect of coacervation in used oil by physical, chemical and sorption effects. At the same time, gasses are removed by a gas exhausting system through the effect of degassing, dewatering, cooling, and filtering. After that the oil enters into height precision filter to remove more of the tiny impurities, finally the clean oil is pumped out by an oil outlet pump. Additive packages are then blended and mix to achieve a product that abides by API & ASTM standards.

- Attached you will find the Operator's Manual labeled (Addendum 1") for a more detailed description of the process.

- **PRODUCT COLLECTION.**

Each truck is equipped with a sniffer detector (Brand:TIF Model#:TIFRX-1A) and the vehicle operator is trained on the use of it. The product from each client is tested with this device, which will give off a beeping noise if the halogen content >1000 ppm. If the beeper goes off the vehicle operator will then use a "Dexsil" halogen solvent test kit. No product is collected that test positive for halogen solvents. In such case, the client is instructed to have their product profiled through analytical test methods by a certified laboratory. If the product is then shown to be non-hazardous pursuant to 40 CFR 261, it will be collected.

- **INVENTORY OF STORED PRODUCTS.**

Inventory types and quantities change frequently. Weekly inventory reconciliation of the products currently stored on-site is performed against the transportation and disposal manifest. Any discrepancies are investigated to determine if product leakage has occurred.

ATTACHMENT #3

A DETAILED SITE PLAN (SITE PLAN 1) IS ALSO ATTACHED.

- **ANALYSIS PLAN.**

Attached you will find U.S. Lubricant, LLC manifest labeled: (MANIFEST #1). In addition to halogen tests done on all used oil pickups, used oil stored at the facility is submitted to quarterly (every 3 months) analytical testing by a certified lab to ensure compliance of <1000 PPM of Halogens content. A sample of the used oil is taken, then labeled and shipped to a certified lab for testing.

Used oil once accepted is manifested. Testing is completed for total halogens and other constituents, based upon the source of the used oil additional testing can be done with Dexsil Testing Kit. U.S Lubricants routinely tests oil that is processed and marketed for on specification use for recycled oil.

U.S. Lubricants, LLC also tests the incoming used oil shipments to its facility and maintains the required documentation in accordance with applicable regulations. U.S Lubricants, LLC maintains a similar process for documenting acceptance as a used oil processor and marketer. U.S. Lubricants, LLC maintains used oil records as a transporter, processor and marketer.

All sampling procedures are designed and performed in a manner to ensure that samples are representative of the bulk material from which they are taken. Based upon sample design, sample approaches may vary based upon the sample purpose, type of material to be sampled and the type of container. Sample approaches may include composite samples for large tanks, discrete grab samples, unbiased random sampling, biased or authoritative samples based upon knowledge of the materials to be sampled. Sampling strategies are also based upon the materials to be collected and the purpose of the analysis. Random sample patterns may include simple, stratified or systematic, dependent upon sampling objectives.

Representative Sampling Methods

Prior to conducting sampling, personnel are required to wear the proper level of personnel protective equipment. This may include gloves, safety glasses, (with face shields) and respirators as required. Safety equipment is also required for assessing tanker truck and tanks, including required fall protection.

Prior to sampling trucks, the hatch levers will be slowly released until the hatch can be safely opened. The colliwasa or bailer will be lowered into the tank to obtain a representative sample.

Samples collected from tanks will involve the collection of a representative sample from the sample ports on top or at the base of the tank or hose, taking to account the heterogeneous layering in the tank that may include solids, water, and oil. Samples may be collected in clean and approved buckets, bottles or sample containers, bailer, large tank colliwasa, or similar sampling device.

Total number of analyses exceeding 1000 ppm level: 0.

U.S. Lubricants, LLC regenerates used oil back into recycled oil in compliance with ASTM Standards and API Standards. U.S. Lubricants, LLC recycled oil is made from the refining process of used oil. U.S. Lubricants, LLC recycled oil is better for the environment because recycling saves resources. Attached you will find a copy of the ASTM Standards and API Standards labeled (Standard Procedures).

All oil residues are reclaimed or managed as used oil.

- **RECORD KEEPING AND REPORTING REQUIREMENTS.**

Waste manifests and other records required by Rule 62-710.510, FAC are maintained on-site for a period of three years and are available for FDEP and DRER inspections. In addition, U.S. Lubricants LLC registers annually with FDEP in accordance with 62-710.500(1)(a), FAC.

Dade
(305) 477-7338

U.S. Lubricant, LLC
3636 N.W. 48th Terrace, Miami, Florida 33142

MANIFEST #1

UNIFORM WASTE TRANSPORTERS MANIFEST
NO HAZARDOUS MIXTURES ACCEPTED - READ BOTTOM OF MANIFEST

G E N E R A T O R	1. Generator's Name and Mailing Address		PO#		A. Manifest Document #			
	2. Generator's Phone ()		County of Origin ()		B. Generator's ID #'s EPA _____ STATE _____			
	3. Transporter 1 Company Name		4. US EPA ID Number		C. State Transporter's ID			
	U.S. Lubricant, LLC 3636 NW 48th Terrace, Miami, FL 33142				D. Transporter's Phone			
	5. Designated Facility Name and Site Address		6.		E. Dade County ID			
					F. Facility's Phone			
T R A N S P O R T F A C I L I T Y	7. Waste Shipping & Name Description		8. Containers		9. Total	10. Unit	11. Price	G
	HM		No. Type		Quantity	Wt./Vol		CHARGES
H. Additional Descriptions for Materials Listed Above					I. Total Due			
12. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are all in respects in proper condition for transport by highway according to applicable international and national government regulations. I also confirm that the contents of this consignment contains no hazardous materials. (In the event that these products/material are found to be Hazardous, I accept the responsibility for its proper disposal under Federal and State Regulations, including any contamination caused though commingling).								
Printed Typed Name					Signature			Month Day Year
13. Transporter 1 Acknowledgment of Receipt of Materials								
Printed Typed Name					Signature			Month Day Year
14. Facility Owner or Operator: Certification of Receipt of Waste Material covered by this manifest.								
Printed Typed Name					Signature			Month Day Year
Below 1000 ppm		Halogen Levels			Above 1000 ppm			

Dear Generator: The following chemicals contain hazardous substances which when mixed with used oil reduces the recycling potential and can cause harmful effects to the environment.

DO NOT MIX WITH USED OIL

Antifreeze - Freon - Solvents - Thinner - Degreasers - Detergents - Cleaners - Radiator Fluid - Lead Gasoline - Cutting Oil.

CAN MIX WITH USED OIL

Motor Oil - Diesel Fuel - Grease - Brake Fluids - Hydraulic Fluids - Transmission Fluids.

These lists are based on current information and may be expanded as more data becomes available, THANK YOU.

WHITE - Original YELLOW - Transporter PINK - Transporter GOLDENROD - Generator

ATTACHMENT #4

A DETAILED SITE PLAN (SITE PLAN 1) IS ALSO ATTACHED.

- **SLUDE AND RESIDUE MANAGEMENT.**

All sludge collected will be stored on a 55 gal. steel drum. The drum is placed on top of a secondary containment pallet and labeled accordingly. Residues like Oily Wastewaters collected will be stored on a 55 gal. steel drum. The drum is placed on top of a secondary containment pallet and labeled accordingly.

- **CHARACTERIZATION ANALYSIS.**

Cliff Berry Inc. Environmental Services.

3033 NW North River Dr

Miami, FL 33142

Tel: 305-638-2030

Fax: 305-638-0610

Facility Manager:

Leroy Arce

- **FREQUENCY OF SLUDGE REMOVAL.**

Collection and frequency as needed is done prior to reaching a 45 gal. capacity.

ATTACHMENT #5

A DETAILED SITE PLAN (SITE PLAN 1) IS ALSO ATTACHED.

- **RECORD KEEPING AND REPORTING REQUIREMENTS.**

Waste manifests and other records required by Rule 62-710.510, FAC are maintained on-site for a period of three years and are available for FDEP and DRER inspections. In addition, U.S. Lubricants LLC registers annually with FDEP in accordance with 62-710.500(1)(a), FAC.

Please see attached U.S. Lubricants, LLC manifest (MANIFEST #1).

ATTACHMENT #6

A DETAILED SITE PLAN (SITE PLAN 1) IS ALSO ATTACHED.

- **SPILL RESPONSE PROCEDURES.**

There is minimal potential for spills and releases from the tanks due to their double walled design. Upon discovery of a release, the employee shall immediately stop the release if possible and contain the spill using either granular absorbent or absorbent socks. U.S. Lubricants, LLC spill response capabilities consist of stopping a release (if possible) and containing small releases using Emergency Spill/Containments kits located on site. U.S. Lubricants, LLC personnel are available to respond to a 24-hour emergency spill.

- **SPECIFIC RESPONSE PROCEDURES.**

Actions to stop further discharge are immediately taken and include:

1. Stopping product transfer.
2. Closing supply valves.
3. Transfer used oil from a leaking vessel into an appropriate one.
4. Prevent spill from spreading using absorbent material.
5. Properly dispose of any clean up materials used.

- **FIRE EMERGENCY RESPONSE PROCEDURES.**

In the event of a fire or explosion, procedures in this section shall be followed and have been prepared in accordance with the requirement of 40 CFR 279.52. Copies of this PLAN are on file at the Office located on-site.

Copies of this plan have also been distributed to the local fire and police departments, emergency response agencies, local hospital and FDEP.

- **EMERGENCY AGENCIES.**

1. Miami-Dade Police Department (305) 476-5423
2. Miami-Dade Fire Department (786) 331-5000
3. Miami-Dade Office of Emergency Management (305) 468-5400
4. Miami-Dade Dept. of Regulatory & Economic Resources (786) 315-2332
5. Emergency Planning Council (954) 985-4416
6. Palmetto General Hospital (305) 823-5000
7. EPA Emergency phone number (404) 562-8700

8. DEP 24-hrs Emergency (800) 413-9911 or (800) 320-0519
During Normal business hours, the DEP District office may be contacted 361-681-6600

• **EMERGENCY CONTACTS.**

Jose Fernandez

748 E. 51 ST.

Hialeah, FL 33013

Cell:(786) 229-0144

Cleanup Contractor.

Cliff Berry, Inc.

851 Eller Dr.

P.O Box 13079

Port Everglades, FL 33316

Tel:(954) 763-3390

• **EMERGENCY EQUIPMENT.**

U.S. Lubricants, LLC , maintains a variety of equipment on-site to be utilized in the event of an emergency involving a fire, explosion or spill.

<u>EQUIPMENT</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
<i>FIRE EXTINGUISHERS</i>	<i>4</i>	<i>LOCATED ON SITE.</i>
<i>ABSORBENTS PADS/BOOMS</i>	<i>2</i>	<i>LOCATED ON SITE.</i>
<i>EMERGENCY SPILL KIT</i>	<i>3</i>	<i>LOCATED ON SITE.</i>
<i>ALARM SYS./ SURVEILLANCE</i>	<i>YES</i>	<i>LOCATED ON SITE.</i>
<i>DECONTAMINATION EQUIP.</i>	<i>1</i>	<i>LOCATED ON SITE.</i>

ATTACHMENT #7

A DETAILED SITE PLAN (SITE PLAN 1) IS ALSO ATTACHED.

• DISCHARGED NOTIFICATION PROCEDURES.

<u>CONTACT</u>	<u>PHONE NUMBER</u>	<u>REPORTING REQUIREMENT</u>	<u>TIME REQUIREMENT</u>
<u>U.S. Lubricants, LLC</u> <i>Facility Response Coordinator:</i> Jose Fernandez Sole Manager <i>Back up Facility Response Coordinator.</i> Howard Sanchez	(786) 229-0144 (786) 459-7335	Any amount of oil that has entered a storm drain or grass/dirt surface.	Immediately (Verbal)
<u>Federal government</u> National Response Center	1(800) 424-9436	Any amount of oil reaching navigable waters. *Discharges of 1,00 gal. or more; or second discharge of 42 gals. or more over a 12 month period.	Within 1 hour(Verbal) Written Notification within 60 days.
<u>STATE GOVERNMENT</u> State Warning Point FDEP Bureau of Emergency Response	1(800)320-0519 1(850)245-2010	Any amount of oil reaching navigable waters. Any amount of oil reaching navigable waters. *Discharges of 1,00 gal. or more; or second discharge of 42 gals. or more over a 12 month period. Discharges of >25 gal. onto a previous surface.	Within 1 hour (Verbal) Within 24 hours (Verbal) Written notifications within 60 days. Within 24 hours (Verbal) 7 Calendar days (Written)
<u>LOCAL GOVERNMENT</u> <u>Miami-Dade County DERM</u>	(305) 372-6600	Any amount of oil reaching navigable waters. Discharges of >25 gal. onto a previous surface. Discharges of >500 gal. onto a impervious secondary containment.	Immediately(Verbal) Immediately(Verbal) 7 Calendar days (Written) Within 24 hours (Written)

• EVACUATION PLAN.

For evacuation routes and location of emergency response equipment please see Evacuation Plan attached labeled (Evacuation Plan #1).

• DESIGNATION AND RESPONSABILITIES OF EMERGENCY COORDINATOR.

Documentation with designation and responsibilities of the E.R.C is attached and labeled (E.R.C. Responsibilities & Designation).

E.R.C RESPONSIBILITIES

A DETAILED SITE PLAN (SITE PLAN 1) IS ALSO ATTACHED.

- **EMERGENCY PROCEDURES AND ACTIONS.**

In the event of an emergency situation the emergency coordinator must be notified immediately. If the E.R.C. cannot be reached, secondary contacts are provided.

The E.R.C. will act according to the following procedures:

1. Determine the nature of the emergency; fire, explosion potential, or spill. Identify the source.
2. The E.R.C. will conduct the response from the primary Emergency Operations Center (EOC) or Command Post. The Command Post is located in the main office. The sub-office is designated as the alternate control post.
3. Determine whether help is required from any of the outside agencies listed. Call and inform agencies of the situation and solicit their help if necessary.

If the emergency is within the company's scope of service to respond -in- house personnel will be directed for cleanup. If the emergency is beyond the facility's capability, spill containment procedures will be implemented and the proper authorities notified for response.

4. Determine the nature and quantity of materials involved by:

- physical observation/label identification
- inventory records
- chemical analysis and/or material profiles.

5. Decide what to be done immediately to keep situation from worsening.

A. Explosion Hazard.

Determine whether any reactive substances in the area need to be relocated. If explosions has occurred which does not result in fire, remove any hazardous obstacles that can be safely retrieved.

B. Spill.

If a spill has occurred; determine the source, contain it by using the emergency equipment and absorbent material and initiating any product transfers that may be deemed necessary to minimize spill.

Obtain the following information:

- a. the material released
- b. location of the material
- c. quantity of the material released

C. Fire Hazard.

If fire has occurred, use the fire extinguishers to control the fire, if possible. Do not attempt to control a blaze that appears to be out of control; rely on the proper authority response. Ensure that all storage areas are accessible to fire fighters. If a fire should break out concentration will be placed on preventing the fire from spreading. The E.R.C. will monitor for leaks and pressure build up while awaiting the proper fire-fighting agency.

6. Before the facility may be brought back into production following an emergency event, the E.R.C. must:

- a. Have the facility declared safe for re-entry by outside organizations responding.
- b. All involved materials must be accounted for and properly stored.
- c. Emergency equipment has been cleaned and ready for use.

NOTE: In the event of an emergency all personnel will discontinue any telephone conversations. Personnel escorting visitors must accompany the visitor to the nearest safe exit. All workstations will be shutdown.

7014 1820 0000 4881 4831

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MIAMI FL 33178

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Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$ 7.61

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Street & Apt. No., or PO Box No. 9300 N.W. 41st
City, State, ZIP+4 MIAMI, FL 33178

PS Form 3800, July 2014 See Reverse for Instructions

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HIALEAH FL 33013

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Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$ 7.40

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Street & Apt. No., or PO Box No. 5555 EAST 8th AVE
City, State, ZIP+4 Hialeah, FL 33013

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Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$ 7.40

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Street & Apt. No., or PO Box No. 9101 N.W. 25th
City, State, ZIP+4 MIAMI, FL 33172

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Return Receipt Fee (Endorsement Required)	\$2.70
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$ 7.40

Sent To: RAFAEL GARCIA
Street & Apt. No., or PO Box No. 2001 WEST 48th ST
City, State, ZIP+4 HIALEAH, FL 33016

PS Form 3800, July 2014 See Reverse for Instructions

ATTACHMENT #8

A DETAILED SITE PLAN (SITE PLAN 1) IS ALSO ATTACHED.

- **UNIT MANAGEMENT DESCRIPTION.**

Please refer to (SITE PLAN 1) for a complete detailed description certified by a professional engineer.

- **STORAGE TANK INSPECTION LOG.**

FACILITY NAME:

TANK#:

YEAR:

MONTH	TANK CONDITION	PIPING CONDITION	INSPECTOR	CORRECTIVE ACTION	COMMENTS
JANUARY					
FEBRUARY					
MARCH					
APRIL					
MAY					
JUNE					
JULY					
AUGUST					
SEPTEMBER					
OCTOBER					
NOVEMBER					
DECEMBER					

ATTACHMENT #9

A DETAILED SITE PLAN (SITE PLAN 1) IS ALSO ATTACHED.

- **CLOSURE PLAN.**

Closure schedule is conducted within 72 hours of shutting down operations.

LISTING OF TANKS, PIPES AND EQUIPMENT CLEANED AND CLOSED.

1. Two D/W AST Tanks.
2. Piping- Used Oil Recycling Machine is not in a fixed position. All piping are disconnected once operation is shut down.

PRESSURE WASHER ON SITE.

Pressure washer on site is used for all decontamination of tanks, containers, pipes and equipment.

SAMPLING.

All sampling of closure procedures to include oily rags or oily water will be done via laboratory testing and disposed by Cliff Berry Inc Environmental Services.

RINSE WATER AND RESIDUE.

All rinse water and residues disposal will be conducted by Cliff Berry Inc. Environmental Services.

SOLID WASTE DISPOSAL.

All solid waste disposal will be conducted by Cliff Berry Inc. Environmental Services.

SOIL SAMPLING NEAR SECONDARY CONTAINMENT.

All tanks, drums, vessels, machinery and secondary containments rest on top of concrete.

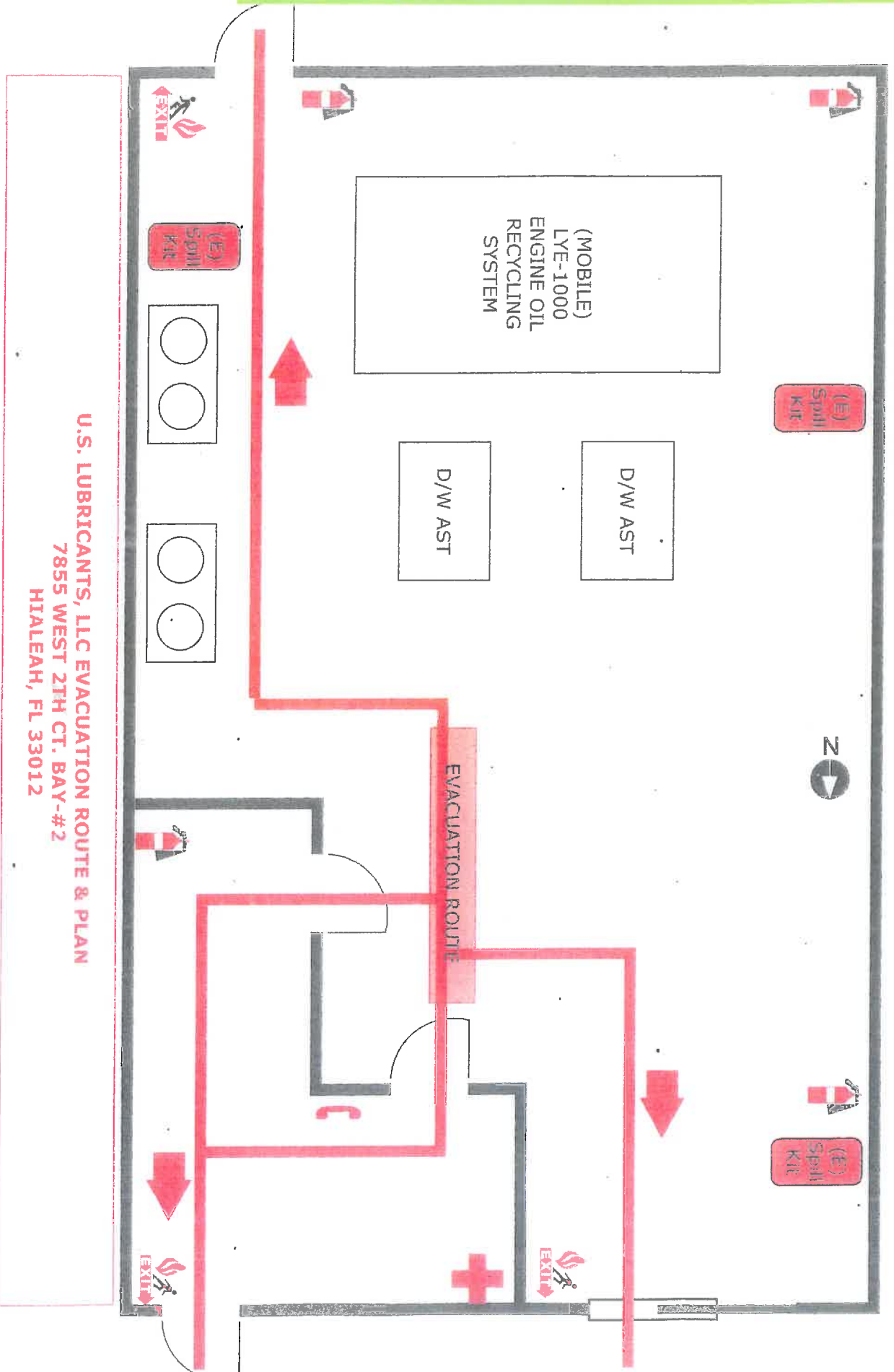
ATTACHMENT #10

A DETAILED SITE PLAN (SITE PLAN 1) IS ALSO ATTACHED.

- **PERSONNEL TRAINING.**

All Oil Handling Personnel are provided with annual training, which includes the following topics.

1. Operation and Maintenance of oil tanks and systems to prevent discharges,
2. Discharge procedures protocols.
3. Applicable pollution control laws, rules and regulations.
4. General facility operations, as it applies to the equipment with fuel/oil tanks.
5. Other plans and procedures review.
6. Review of known oil discharges or failures, malfunctioning components.
7. Recently developed precautionary measures.
8. Review inspection protocols.



Client#: 66813

USLUB

ACORD™

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

7/01/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER

Gulfshore Insurance - Naples
4100 Goodlette Road North
Naples, FL 34103 -3303
239 261-3646

CONTACT NAME: Michelle A. Kalicharan

PHONE (A/C, No, Ext): 239 435-7143

FAX (A/C, No): 239 213-2852

E-MAIL ADDRESS: mkalicharan@gulfshoreinsurance.com

INSURER(S) AFFORDING COVERAGE

NAIC #

INSURER A: HDI-Gerling America Insurance C

41343

INSURED

U.S. Lubricants, LLC
P.O. Box 523212
Miami, FL 33152

INSURER B:

INSURER C:

INSURER D:

INSURER E:

INSURER F:

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR			EGGCG000041014	07/02/2014	07/02/2015	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$100,000 MED EXP (Any one person) \$Excluded PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000
A	GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> MCS90 <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> Pollution Lia			EAGCD000041014	07/02/2014	07/02/2015	COMBINED SINGLE LIMIT (Ea accident) \$2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB CLAIMS-MADE DED RETENTION \$			EXAGD000041014	07/02/2014	07/02/2015	EACH OCCURRENCE \$1,000,000 AGGREGATE \$1,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input checked="" type="checkbox"/> (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N	N/A	EWGCD000041014	07/02/2014	07/02/2015	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

BankUnited
19125 Biscayne Blvd
Aventura, FL 33180

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



Mail original completed form to: Department of Environmental Protection For assistance call: 850-245-8707
2600 Blair Stone Road, Mail Station 4560
Tallahassee, Florida 32399-2400

**STATE OF FLORIDA
CERTIFICATE OF LIABILITY INSURANCE
HAZARDOUS WASTE TRANSPORTER AND USED OIL HANDLER**

1. HDI-Geeling America Insurance Company

(Name of Insurer)

(the "Insurer"), of 101 N. Clark St., 48th Floor, Chicago, IL 60601

(Address of Insurer)

hereby certifies that it has issued liability insurance covering bodily injury and property damage including environmental restoration for sudden accidental occurrences to

U.S. Lubricants, LLC

(Name of Insured)

(the "Insured"), of 3636 NW 48th Ter., Miami, FL 33142

(Physical Address of Insured)

in connection with the insured's obligation to demonstrate financial responsibility under Florida Administrative Code Rule 62-710.600(2) and 62-730.170. The coverage applies at:

<u>EPA/DEP I.D. No.</u>	<u>Name</u>	<u>Physical Address</u>
<u>FLR000211557</u>	<u>U.S. Lubricants, LLC</u>	<u>3636 NW 48th Ter., Miami, FL 33142</u>

(If coverage is for multiple facilities, identify each facility insured.)

This insurance is primary and the company shall not be liable for amounts in excess of
\$ 2,000,000 for each accident, exclusive of legal defense costs. The coverage is provided
under policy number EAGD000041014, issued on 07/02/2014
(date)

The effective date of said policy is 07/02/2014 and the expiration date of said policy
(date)
is 07/02/2015
(date)

This insurance is excess and the company shall not be liable for amounts in excess of
\$ 1,000,000 for each accident in excess of the underlying limit of
\$ 2,000,000 for each accident, exclusive of legal defense costs. The coverage is provided
under policy number EXAGD000041014, issued on 07/02/2014. The effective date of
(date)
said policy is 07/02/2014 and the expiration date of said policy is 07/02/2015
(date) (date)

Mail original completed form to: Department of Environmental Protection For assistance call: 850-245-8707
2600 Blair Stone Road, Mail Station 4560
Tallahassee, Florida 32399-2400

2. The Insurer further certifies the following with respect to the insurance described in Paragraph 1:

- (a) Bankruptcy or insolvency of the insured shall not relieve the Insurer of its obligations under the policy.
- (b) The Insurer is liable for the payment of amounts within any deductible applicable to the policy, with a right of reimbursement by the insured for any such payment made by the Insurer.
- (c) Whenever requested by the Secretary (or designee) of the Florida Department of Environmental Protection (FDEP), the Insurer agrees to furnish to the Department a signed duplicate original of the policy and all endorsements.
- (d) Cancellation of the insurance, whether by the Insurer or the Insured and any other termination of the insurance (e.g., expiration, non-renewal), will be effective only upon written notice and only after the expiration of thirty (30) days after a copy of such written notice is received by the Secretary of the FDEP as evidenced by certified mail return receipt.
- (e) The Insurer shall not be liable for the payment of any judgment or judgments against the Insured for claims resulting from accidents which occur after the termination of the insurance described herein, but such termination shall not affect the liability of the Insurer for the payment of any such judgment or judgments resulting from accidents which occur during the time the policy is in effect.

I hereby certify that the Insurer is licensed to transact the business of insurance, or eligible to provide insurance as an excess or surplus lines insurer, in one of more States including Florida.

Timothy A Spear
(Signature of Authorized Representative of Insurer)

Timothy Spear

(Typed name)

Client Advisor

(Title)

Authorized Representative of

HDI-Gerling America Insurance Company

(Name of Insurer)

Gulfshore Insurance, Inc. - 4100 Goodlette Rd. N.; Naples, FL 34103

(Address of Representative)



INVOICE

U.S. Lubricants, LLC
P.O. Box 523212
Miami, FL 33152

Invoice Date 09/15/14
Invoice No. 390581
Bill-To Code USLUB
Client Code USLUB
Inv Order No. 1*369862

Named Insured: U.S. Lubricants, LLC

Amount Remitted: \$

Please return this portion with your payment

Make checks payable to: Gulfshore Insurance - Naples

Effective Date	Policy Period	Coverage Description	Transaction Amount
09/10/14	07/02/14 to 07/02/15	International Insurance Co. of Hannover Policy No. CPR14E025602 *Endorsement - Commercial Property Tax - Commercial Property Policy Fee - Commercial Property Hurricane Fee - Commercial Property Deficit Assessment - Commercial Prop Adding Loc#2 - 7855 W. 2nd Court, Bay #2, Hialeah, FL ***** Remit to: 4100 Goodlette Rd N Naples, FL 34103 ***** For added convenience, you can now pay your premiums online via our e-Pay system using the "Pay my Bill" link at www.GulfshoreInsurance.com. Invoice Number: 390581	106.00 5.30 0.19 1.38 1.06 Amount Due: 113.93

*Premiums Due and Payable on Effective Date

MAK

Page: 1

4100 Goodlette Road North, Naples, FL 34103

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GulfshoreInsurance.com

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Fax 239.435.0598

Fort Lauderdale | Fort Myers | Marco Island | Naples

U.S. Lubricants, LLC follows ASTM & API



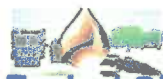
standards.



Typical Oil Parameters After Regeneration

Parameter	Test Methods	Standard Value BS 148:2009	Before regeneration	After regeneration
Appearance	Visual	Clear, free from sediments and suspended matter	Cloudy brown	Clear and transparent
Acid number, mg KOH/g	IEC 296; ASTM D-664	≤ 0.03	0.63	0.01
Corrosive sulphur	ISO 5662; ASTM D-1275	Non Corrosive	Present	None
Moisture content, ppm	IEC 733; ASTM D-1533	≤ 20	170	5
Breakdown voltage, kV	IEC 156; ASTM D-1816	≥ 30	11	73
Dielectric loss tangent at 90°C	IEC 247; ASTM D-924	≤ 0.005	4.0	0.001
Gas content, %	IEC 60599; ASTM D-3612	---	12	0.1
Surface tension, mN/m, at 25°C	ISO 6295; ASTM D-2285	---	22	45
Mechanical contaminants size, micron		Clear, free from sediments and suspended matter	50	0.2
Oxidation stability: mg KOH/g	IEC 1125A; IEC 1125B; IP-307	≤ 1.2	---	0.2

U.S. Lubricants, LLC follows ASTM & API



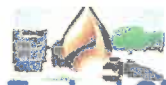
standards.



Typical Oil Parameters After Regeneration

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Gas content, %	IEC 60599; ASTM D-3612	---	12	0.1
Surface tension, mN/m, at 25°C	ISO 6295; ASTM D-2285	---	22	45
Mechanical contaminants size, micron		Clear, free from sediments and suspended matter	50	0.2
Oxidation stability: mg KOH/g	IEC 1125A; IEC 1125B; IP-307	≤ 1.2	---	0.2

U.S. Lubricants, LLC follows ASTM & API



standards.



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Breakdown voltage, kV	IEC 156; ASTM D-1816	≥30	11	73
Dielectric loss tangent at 90°C	IEC 247; ASTM D-924	≤0.005	4.0	0.001
Gas content, %	IEC 60599; ASTM D-3612	---	12	0.1
Surface tension, mN/m, at 25°C	ISO 6295; ASTM D-2285	---	22	45
Mechanical contaminants size, micron		Clear, free from sediments and suspended matter	50	0.2
Oxidation stability: mg KOH/g	IEC 1125A; IEC 1125B; IP-307	≤1.2	---	0.2

U.S. Lubricants, LLC follows ASTM & API



standards.



Physical Oil Parameters After Regeneration

Parameter	Test Methods	Standard Value BS 148:2009	Before regeneration	After regeneration
Appearance	Visual	Clear, free from sediments and suspended matter	Cloudy brown	Clear and transparent
Viscosity, l/g	IEC 296; ASTM D-664	≤ 0.03	0.63	0.01
Acidic sulphur	ISO 5662; ASTM D-1275	Non Corrosive	Present	None
Water content,	IEC 733; ASTM D-1533	≤ 20	170	5
Open voltage,	IEC 156; ASTM D-1816	≥ 30	11	73
Dielectric loss factor at 90°C	IEC 247; ASTM D-924	≤ 0.005	4.0	0.001
Flash point, °C	IEC 60599; ASTM D-3612	---	12	0.1
Viscosity index, at 25°C	ISO 6295; ASTM D-2285	---	22	45
Particle size, microns		Clear, free from sediments and suspended matter	50	0.2
Thermal stability: l/g	IEC 1125A; IEC 1125B; IP-307	≤ 1.2	---	0.2

U.S. Lubricants, LLC follows ASTM & API

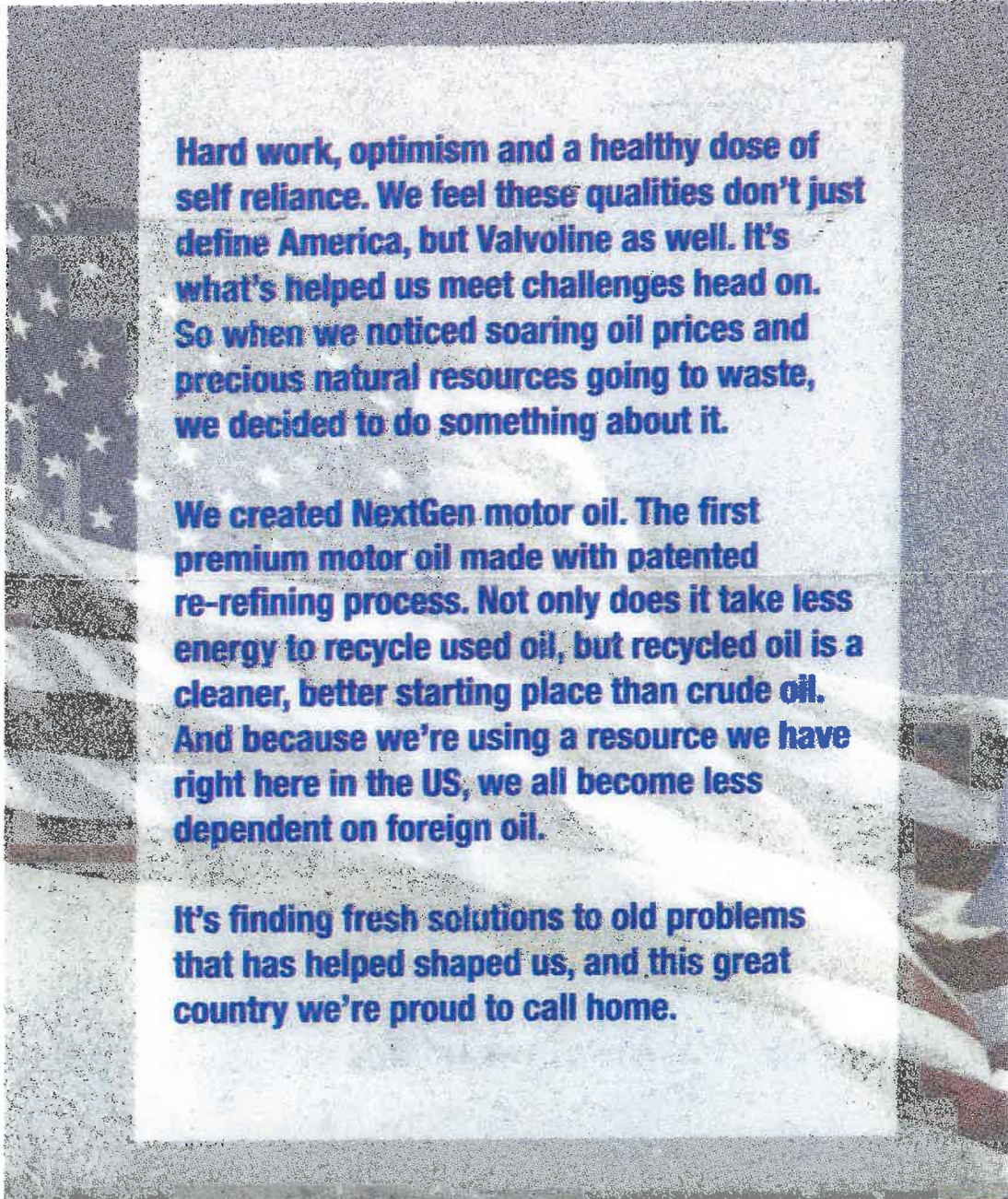


standards.



Typical Oil Parameters After Regeneration

Parameter	Test Methods	Standard Value BS 148:2009	Before regeneration	After regeneration
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Acid number, mg KOH/g	IEC 296; ASTM D-664	≤ 0.03	0.63	0.01
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Surface tension, mN/m, at 25°C	ISO 6295; ASTM D-2285	---	22	45
Mechanical contaminants size, micron		Clear, free from sediments and suspended matter	50	0.2
Oxidation stability: mg KOH/g	IEC 1125A; IEC 1125B; IP-307	≤ 1.2	---	0.2

The background of the top half of the advertisement is a close-up, slightly blurred image of the American flag, showing the stars and stripes in a way that suggests a sense of movement or depth.

Hard work, optimism and a healthy dose of self reliance. We feel these qualities don't just define America, but Valvoline as well. It's what's helped us meet challenges head on. So when we noticed soaring oil prices and precious natural resources going to waste, we decided to do something about it.

We created NextGen motor oil. The first premium motor oil made with patented re-refining process. Not only does it take less energy to recycle used oil, but recycled oil is a cleaner, better starting place than crude oil. And because we're using a resource we have right here in the US, we all become less dependent on foreign oil.

It's finding fresh solutions to old problems that has helped shaped us, and this great country we're proud to call home.

FACT:
Recycled Oil Is
BETTER

For refineries, used motor oil is a better starting point than crude oil.



15%
Usable for
motor oil

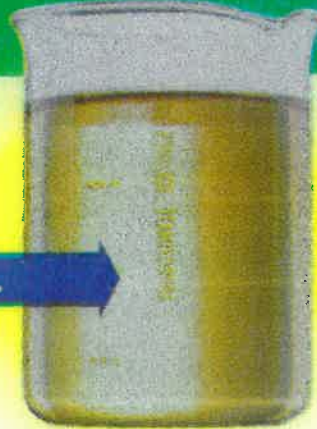
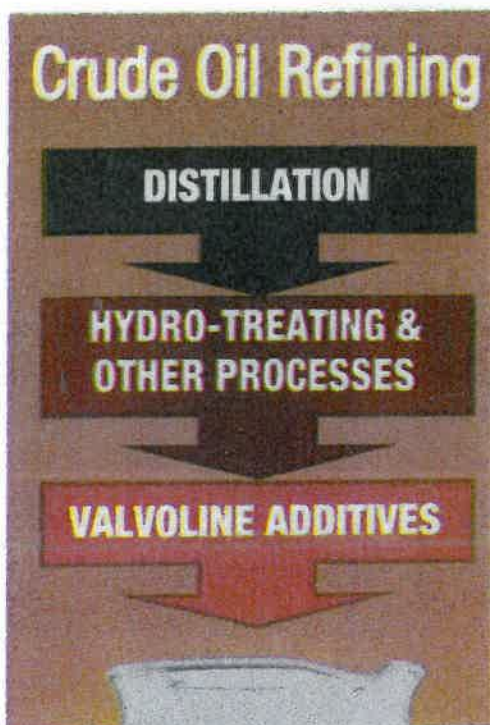


75%
Usable for
motor oil

It actually has more high quality lubricating molecules than crude oil, so it's an easier material to build motor oil.

And it's better for the environment because recycling saves resources.

Motor Oil Recycling uses the Same Processes as Refining Crude Oil...



NEW OIL



About ASTM International

Established in 1898, ASTM International provides a global forum for the development and publication of international voluntary consensus standards and offers related products and services. Known for their high technical quality and market relevance, ASTM standards are used in research and development, product testing and quality systems. ASTM standards are a critical element of the information infrastructure that guides manufacturing and trade in the global economy.

Membership

ASTM membership includes more than 30,000 technical experts from 150 countries around the world. These experts serve on one or more of ASTM's 143 technical committees, developing standards for a broad range of areas including metals, paints, plastics, textiles, petroleum, construction, aviation, energy, the environment, consumer products, electronics, medical services and devices, computerized systems, homeland security and much more.

Products and Services

Approximately 12,000 ASTM standards are published each year and can be found in the 80-volume *Annual Book of ASTM Standards* or online on the ASTM website. ASTM International also facilitates the generation and dissemination of technical information through various specialized publications such as journals, manuals and monographs on specific technical standards topics, as well as continuing technical education and training programs for industry and government. Programs for Proficiency Testing, Interlaboratory Crosscheck, Environmental Product Declarations and Certification are also part of ASTM's standards related offerings.

Notable Facts

- **Open:** 150 countries are represented in the ranks of ASTM's membership.
- **Transparent:** ASTM's standard development process is available and open to all interested parties on an equal, 24/7 basis.
- **Relevant:** More than 7,000 ASTM standards have been adopted as the basis of national standards or referenced in regulations in countries outside the United States.
- **Forward Looking:** ASTM International has invested heavily in technology. Two examples are its work item registration and online balloting systems, which further increase the openness and transparency of its standards development process.
- **Global:** Approximately 50 percent of ASTM standards are distributed outside the U.S.; ASTM International has signed memorandums of understanding with the national standards bodies of 79 nations as well as with three regional groups worldwide.
- **Collaborative:** For 116 years, ASTM has been the forum where industry and government stakeholders come together to create standards that impact people everywhere. Newly formed ASTM technical Committee F44 on General Aviation Aircraft exemplifies this spirit.

ASTM Offices

Headquarters

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P.O. Box C700
West Conshohocken, PA
19428-2959 USA
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fax: +1-610-832-9555
email: service@astm.org

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Ottawa, Ontario K2P 0B4 Canada
phone: +1-613-751-3409
email: dthompson@astm.org

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Beijing, P.R. China 100022
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email: fliu@astm.org

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email: sgobbi@astm.org

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c/o Efferm SA de CV
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Calderón de la Barca #358-302
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Washington, D.C.

1850 M Street NW
Suite 1030
Washington, DC 20036 USA
phone: +1-202-223-8505
email: jgrove@astm.org

Key Personnel

Thomas A. Schwartz,
2014 Chairman of the Board
James A. Thomas, President

Recycling Used Oil Saves Energy, Protects the Environment

Cars are an indispensable fact of life for most of us. By operating and maintaining our vehicles responsibly, we can balance our desire for convenient transportation and a clean and healthy environment.

For example, did you know that used oil can be recycled? Used motor oil can be reprocessed into fuel that warms your family in the winter and keeps them cool in the summer. It can be burned in furnaces for heat, or in power plants to generate electricity for homes, schools and businesses. Processed motor oil can also be used in industrial burners, or re-refined into high-quality motor oil.

- Just two gallons of used oil can generate enough electricity to run the average household for almost 24 hours.
- The petroleum industry provides convenient used oil collection sites across the country at many of its service stations.
- API is proud to promote its Used Motor Oil Collection and Recycling website for more information on used oil recycling.

Recycling used motor oil not only conserves a valuable resource, but it also keeps our surface waters and groundwater supplies safe from potential contamination from improperly disposed used oil.

API Overview and Mission

Who We Are

The American Petroleum Institute (API) is the only national trade association that represents all aspects of America's oil and natural gas industry. Our more than 600 corporate members, from the largest major oil company to the smallest of independents, come from all segments of the industry. They are producers, refiners, suppliers, pipeline operators and marine transporters, as well as service and supply companies that support all segments of the industry.

Although our focus is primarily domestic, in recent years our work has expanded to include a growing international dimension, and today API is recognized around the world for its broad range of programs:

Mission

API's mission is to influence public policy in support of a strong, viable U.S. oil and natural gas industry [read more](#)

Advocacy

We speak for the oil and natural gas industry to the public, Congress and the Executive Branch, state governments and the media. We negotiate with regulatory agencies, represent the industry in legal proceedings, participate in coalitions and work in partnership with other associations to achieve our members' public policy goals.

Research and Statistics

API conducts or sponsors research ranging from economic analyses to toxicological testing. And we collect, maintain and publish statistics and data on all aspects of U.S. industry operations, including supply and demand for various products, imports and exports, drilling activities and costs, and well completions. This data provides timely indicators of industry trends. API's Weekly Statistical Bulletin is the most recognized publication, widely reported by the media.

Standards

For more than 85 years, API has led the development of petroleum and petrochemical equipment and operating standards. These represent the industry's collective wisdom on everything from drill bits to environmental protection and embrace proven,

sound engineering and operating practices and safe, interchangeable equipment and materials. API maintains more than 500 standards and recommended practices. Many have been incorporated into state and federal regulations; and increasingly, they're also being adopted by the International Organization for Standardization, a global federation of more than 100 standards groups.

Certification

Each day, the oil and natural gas industry depends on equipment to produce, refine and distribute its products. The equipment used is some of the most technologically advanced available in the search for oil and gas and allows the industry to operate in an environmentally safe manner. Designed for manufacturers of production, drilling, and refinery equipment, the API Monogram Program verifies that manufacturers are operating in compliance with industry standards. API also provides quality, environmental, and occupational health and safety management systems certification through APIQR. This service is accredited by the ANAB (ANSI-ASQ National Accreditation Board) for ISO 9001 and ISO 14001. Let APIQR's industry expertise certify your organization to API Spec Q1, OHS 18001.

API also certifies inspectors of industry equipment through our Individual Certification Programs, designed to recognize working professionals who are knowledgeable of industry inspection codes and are performing their jobs in accordance with those codes. Through our Witnessing Programs, API provides knowledgeable and experienced witnesses to observe critical material and equipment testing and verification. API's Training Provider Certification Program provides third-party certification for a variety of oil and gas industry training courses, further ensuring that any training provided meets industry needs.

In helping to improve industry safety, API has a way for service station owners to make sure their contractors have been trained to industry safety standards. API WorkSafe™ is a service station contractor safety qualification program that identifies personnel who have received training for and passed on-line standardized exams covering the latest service station industry safety practices.

For consumers, API provides the API's Engine Oil Licensing and Certification System (EOLCS). It is a voluntary licensing and certification program that authorizes engine oil marketers who meet specified requirements to use the API Engine Oil Quality Marks. These emblems go directly on each container of oil that retains the certification for and is there to help consumers identify quality engine oils for their gasoline- and diesel-powered vehicles.

Education

API organizes seminars, workshops, conferences and symposia on public policy issues. Through API University, we provide training materials to help people in the oil and natural gas business meet regulatory requirements and industry standards.

example, CI-4) refers to oil suitable for diesel engines. These letters officially stand for "Service" and "Commercial." The current API performance categories that can appear in the top part of the Donut are listed in the API Motor Oil Guide.

SAE Viscosity Grade

The center of the Donut shows the oil's SAE viscosity grade. Viscosity is a measure of an oil's flow characteristics, or thickness, at certain temperatures.

The low-temperature viscosity (the first number, 5W in a 5W-30 oil) indicates how quickly an engine will crank in winter and how well the oil will flow to lubricate critical engine parts at low temperatures. The lower the number the more easily the engine will start in cold weather.

The high-temperature viscosity (the second number, 30 in a 5W-30 oil) provides thickness, or body, for good lubrication at operating temperatures.

A multigrade oil (for example, SAE 5W-30) provides good flow capability for cold weather but still retains thickness for high-temperature lubrication.

A single grade oil (a single number in the center of the donut) is recommended for use under a much narrower set of temperature conditions than multigrade oils.

Operators should refer to their owner's manuals to select the proper viscosity oil for the ambient temperature and operating conditions at which the equipment will be used.

Energy Conserving and CI-4 PLUS Designations

The bottom of the donut tells whether the oil has energy conserving properties when compared with a reference oil in an engine test or if an oil meets CI-4 PLUS requirements.

Oils labeled as "Energy Conserving" have passed the test that measures an oil's ability to conserve energy. Widespread use of engine oils with this designation should result in an overall saving of fuel in the vehicle fleet as a whole, but a particular vehicle operator may not experience a fuel savings as a result of using these oils.

Used in conjunction with the CI-4 category, the "CI-4 PLUS" designation identifies oils formulated to provide a higher level of protection against soot-related viscosity increase and viscosity loss due to shear in diesel engines.

The API Certification Mark

The API Certification Mark "Starburst" is designed to identify engine oils recommended for a specific application (such as gasoline service). An oil may be licensed to display the Starburst only if the oil satisfies the most current requirements of the International Lubricant Standardization and Approval Committee (ILSAC) minimum performance standard for this application (currently GF-5 for passenger cars). Many automobile manufacturers recommend oils that carry the API Certification Mark.

Look for the Products that Carry the API Quality Marks

API's Engine Oil Quality Marks—the API Service Symbol "Donut" and Certification Mark "Starburst"—help consumers identify quality engine oils for their gasoline and diesel-powered vehicles.

Engine Oil Licensing and Certification System (EOLCS)

API's Engine Oil Licensing and Certification System (EOLCS) is a voluntary licensing and certification program that authorizes engine oil marketers who meet specified requirements to use the API Engine Oil Quality Marks—the API Service Symbol "Donut" and Certification Mark "Starburst." This program is a cooperative effort between the oil industry and vehicle and engine manufacturers Ford, General Motors, and Chrysler; the Japan Automobile Manufacturers Association; and the Engine Manufacturers Association. Performance requirements, test methods, and limits are cooperatively established by vehicle and engine manufacturers, technical societies like the Society of Automotive Engineers (SAE) and the American Society for Testing and Materials (ASTM) and industry associations like the American Chemistry Council and API. Oils meeting these requirements are recommended by vehicle manufacturers.

Aftermarket Audit Program

API's Engine Oil program is backed by an ongoing monitoring and enforcement program to ensure licensees adhere to industry technical specifications. Additionally, the program ensures that the API-registered symbols are properly displayed and convey accurate information to consumers. Currently, more than 500 marketers in more than 50 countries are using the symbols on more than 8,000 products. You can view a complete list of our licensees and their products by visiting our licensee Directory.

API-licensed marketers may display two types of Marks: the API Service Symbol "Donut" and the API Certification Mark "Starburst." Each Mark conveys information that can be used by the consumer.

The API Service Symbol

The API Service Symbol "Donut" is divided into three parts:

- The top half describes the oil's performance level.
- The center identifies the oil's viscosity.
- The bottom half tells whether the oil has demonstrated energy-conserving properties in a standard test in comparison to a reference oil.

Performance Levels

The top of the Donut shows the oil's performance level for gasoline and/or diesel engines. The letter "S" followed by another letter (for example, SM) refers to oil suitable for gasoline engines. The letter "C" followed by another letter and/or number (for