

# INVITATION TO BID

State of Ohio  
Department of Administrative Services  
General Services Division  
Office of Procurement Services

The Original Signed Bid must be submitted to the Office of Procurement Services to receive consideration for award.		BIDDER NAME	
BID NUMBER <b>RS901013</b>	OPENING DATE (1:00 p.m.) <b>SEPTEMBER 28, 2012</b>	STREET ADDRESS <input type="checkbox"/> Check if remit address is different and list on separate sheet	
General Services Division Office of Procurement Services 4200 Surface Road Columbus, OH 43228-1395 Attn: Bid Desk		CITY	STATE ZIP
		COUNTY	MBE/EDGE CERTIFICATE NUMBER
		TELEPHONE NO. ( )	TOLL FREE NO. 1 - ( )
		CONTACT PERSON	FAX NO. ( )
REQ./INDEX NO. GDC098	BID NOTICE DATE SEPTEMBER 7, 2012	CONTRACTOR'S E-MAIL ADDRESS	
SELECT YOUR PREFERRED METHOD OF RECEIVING PURCHASE ORDERS AND ENTER THE E-MAIL OR FAX NUMBER INFORMATION (ONLY SELECT ONE METHOD)			
<input type="checkbox"/> E-Mail <input type="checkbox"/> Fax			
In addition to the standard terms for payment, the payment terms for state agency(ies) will be 2%, 10 Days, Net 30 Days unless otherwise stated in the following space. If no discount is offered, bidder should circle "Net 30 Days". ____%, ____ Days, Net 30 Days			
<p><b>PARTICIPATING AGENCY(IES):</b> ALL STATE AGENCIES, AND PROPERLY REGISTERED COUNTIES, TOWNSHIPS, MUNICIPAL CORPORATIONS, REGIONAL TRANSIT AUTHORITIES, REGIONAL AIRPORT AUTHORITIES, PORT AUTHORITIES, SCHOOL DISTRICTS, CONSERVANCY DISTRICTS, TOWNSHIP PARK DISTRICTS AND PARK DISTRICTS, PURSUANT TO SECTION 125.04(B) OF THE OHIO REVISED CODE, THE COOPERATIVE PURCHASING ACT. STATE UNIVERSITIES, STATE VOCATIONAL SCHOOLS, STATE COMMUNITY COLLEGES OR OTHER INSTITUTIONS OF HIGHER EDUCATION MAY USE THESE CONTRACTS. SUCH USE, HOWEVER, IS BASED UPON EACH ENTITY'S PROCUREMENT AUTHORITY.</p>			
<p><b>THE DEPARTMENT OF ADMINISTRATIVE SERVICES, OFFICE OF PROCUREMENT SERVICES, IS SOLICITING BIDS FOR:</b></p> <p><b>OILS, LUBRICANTS, ANTIFREEZE</b></p> <p><b>TERM OF CONTRACT:</b> This Invitation to Bid is to establish a requirements contract to procure the described supplies or services on behalf of the above participating agency(ies). The agency(ies) may place orders against the Contract beginning <u>11/01/12</u> or upon the date when DAS signs the Contract, whichever is later in time. The Contract will expire <u>10/31/15</u> unless DAS terminates the Contract based upon reasons set forth in Article I-C of the Standard Contract Terms and Conditions. No agencies may place purchase orders against the Contract beyond the expiration date unless DAS renews the Contract by amendment. The Contractor may begin performance under the Contract only upon receipt of a valid order from a participating state agency.</p> <p><b>INSTRUCTIONS TO BIDDERS AND CONTRACT TERMS AND CONDITIONS,</b> Revised 09/2012, are a part of this Invitation to Bid. Copies may be downloaded by clicking on this link: <a href="#">Instructions: Terms and Conditions for Bidding, Standard Contract Terms and Conditions, and Supplemental Contract Terms and Conditions</a>. All prior versions of Instructions to Bidders, Contract Terms and Conditions are null and void.</p> <p>By submitting this Invitation to Bid, the Contractor certifies that Contractor has truthfully disclosed the location(s) where all services are to be performed; the location(s) where all applicable State contract data is to be maintained or made available; and the principal location of business for the Contractor and all subcontractors. The Contractor further certifies and acknowledges that Contractor will not change the country of the location(s) where services are performed and will not change the country of the location(s) where data is maintained or made available without prior written consent of the State.</p> <p>Any questions or clarifications regarding this Invitation to Bid should be directed to the Office of Procurement Services through the Internet at <a href="http://www.ohio.gov/procure">www.ohio.gov/procure</a>. All questions should be submitted a minimum of five (5) working days prior to the bid opening date.</p>			
PRINTED/TYPED SIGNATURE	AUTHORIZED SIGNATURE (ORIGINAL SIGNATURE ONLY) (Please sign in blue ink)	DATE	

The ORIGINAL signed Bid must be submitted to the Office of Procurement Services by 1:00 o'clock p.m., on the above listed opening date to receive consideration for award. It is requested that the Bidder NOT sign their bid in BLACK ink. BIDDER CERTIFIES, by signature affixed to its bid, that the information provided by it in its bid including the certified statements, is accurate and complete. Bidder declares to have read and understood and agrees to be bound by all of the instructions, terms, conditions and specifications of this Invitation to Bid and agrees to fulfill the requirements of any awarded contract at the prices bid.

## REQUIRED CERTIFICATION FOR BIDDING

Those bidders claiming preference for Domestic Source End Products and/or the Ohio preference, pursuant to Revised Code Sections 125.09 and 125.11 and Administrative Code Section 123:5-1-06 must complete the following information. Bidders who qualify as an "Ohio" bidder (offer an Ohio product or who have significant Ohio economic presence) or who qualify as a Border State bidder are eligible to receive a five percent (5%) preference over non-Ohio/Border state bidders. The state reserves the right to clarify any information during the evaluation process. **BIDDERS MUST COMPLETE THIS CERTIFICATION TO RECEIVE THE PREFERENCE.**

**A. DOMESTIC PREFERENCE (BUY AMERICA):** [Not applicable to "Excepted Products"]

- Where is each product/services being offered mined, raised, grown, produced or manufactured?  
 United States: \_\_\_\_\_(State)     Canada     Mexico    (Go to B-1)  
 Other: (Specify Country)\_\_\_\_\_ (Go to A-2)
- End product is manufactured outside the United States and at least 50% of the cost of its components are produced, mined, raised, grown or manufactured within the United States. The cost of components may include transportation costs to the place of manufacture and, in the case of components of foreign origin, duty whether or not a duty free entry certificate is issued.  
 Yes (Go to Section B-1)     No (Go to Section A-3)
- The Bidder hereby certifies that each end product, except the products listed below, is a domestic source end product as defined in the Buy America Act and that components of unknown origin have been considered to have been mined, produced, grown or manufactured outside the United States.  
\_\_\_\_\_(Item) \_\_\_\_\_(Country of Origin)  
\_\_\_\_\_(Item) \_\_\_\_\_(Country of Origin)

A domestic end source product is deemed to be excessively priced if it exceeds the cost of the foreign product by more than 6%. Pursuant to FAR, Part 25, the state of Ohio does not acquire supplies or services that cannot be imported lawfully into the United States. The contractor, their subcontractor(s) and any agent of the contractor or subcontractor must not acquire any supplies or services originating from sources within, or that were located in or transported from or through Cuba, Iran, Iraq, Libya, North Korea, Sudan Territory of Afghanistan controlled by the Taliban, or Serbia (excluding the territory of Kosovo).

**B. OHIO PREFERENCE (BUY OHIO):**

- The products/services being offered are raised, grown, produced, mined or manufactured in Ohio.   
 Yes (Go to C)     No (Go to B-2)
- Bidder has significant economic presence within the state of Ohio.     Yes (Answer a, b, c, d below)     No (Go to B-3)
  - Bidder has paid the required taxes due the state of Ohio     Yes     No
  - Bidder is registered with the Ohio Secretary of State  
 Yes (Charter/Registration No.: \_\_\_\_\_)     No  
Questions regarding registration should be directed to (614) 466-3910 or visit their web site at:  
<http://www.sos.state.oh.us/>
  - Bidder has ten or more employees based in Ohio or border state.     Yes     No (Go to B-2d)
  - Bidder has seventy-five percent or more employees based in Ohio or border state.     Yes     No (Go to B-3)
- Border state bidder:  
 Yes (Specify which state then go to B-2c):  KY     MI     NY     PA     IN     No (Go to B-4)
- Border state bidder: mined products mined in respective border state     Yes     No     Not Applicable

**C. E.D.G.E. DESIGNATION**

Bidder is certified E.D.G.E. business     Yes     No

For information on E.D.G.E. designation, please visit the DAS Equal Opportunity Division website at:  
<http://www.das.ohio.gov/Divisions/EqualOpportunity/tabid/80/Default.aspx>

### SPECIAL CONTRACT TERMS AND CONDITIONS

**AMENDMENTS TO CONTRACT TERMS AND CONDITIONS:** The following Amendments to the Contract Terms and Conditions do hereby become a part hereof. In the event that an amendment conflicts with the Contract Terms and Conditions, the Amendment will prevail.

**MINIMUM ORDER QUANTITIES:** Orders written against this contract shall have no minimum quantities, except for full drum and full case quantities (i.e. no partial drum, can or case).

**MINIMUM ORDER, DOLLARS:** No order shall be placed against a contract awarded pursuant to this bid for less than twenty-five (\$25.00) dollars. The minimum dollar value of any order placed against a contract awarded pursuant to this bid for delivery F.O.B. destination, transportation charges prepaid, at any one time to one destination, shall not be less than two hundred (\$200.00) dollars.

**ON ORDERS TOTALING LESS THAN TWO HUNDRED (\$200.00) DOLLARS:** Shipment is to be made by freight, parcel post, express or commercial package delivery, whichever is the most economical method for proper delivery of the item, F.O.B. destination. The cost of transportation from the vendor's address to the destination on such orders shall be prepaid and added to the invoice.

**PRODUCT SAMPLES:** The bidder(s) may be required to submit samples of the supplies being offered. The samples will be used in the evaluation process to determine the lowest responsive and responsible bidder. If not included as part of their bid response, the bidder will be required to provide the samples within ten (10) calendar days after notification. Failure to provide the samples within the stated time period will result in the bidder being deemed not responsive. After award of the contract, the samples will be used as a basis of comparison with actual product delivered under contract. Any variation between the samples and product being delivered will be considered as an event of default. Any variations between the samples and actual product being delivered that are due to manufacturer changes may be acceptable and shall require prior written approval from DAS.

**PRE-AWARD TESTING:** The samples submitted of the apparent low responsive and responsible bidder may be submitted for laboratory testing to determine if such products are in compliance with specifications set forth in the bid. The areas of testing will be determined by the Administrator of State Purchasing, and such tests shall be paid for by the apparent low responsive and responsible bidder. Prior to testing, the bidder will be apprised of the cost and will be required to forward a check for such tests.

**DELIVERY AND ACCEPTANCE:** Supplies will be delivered to the participating agency within fifteen (15) calendar days after receipt of order and, in accordance with paragraphs S-8, S-9, and S-10 of the SUPPLEMENTAL CONTRACT TERMS AND CONDITIONS. The delivery location will be noted on the purchase order issued by the participating agency. Acceptance (transfer of title) will occur upon the inspection and written confirmation by the ordering agency that the supplies delivered conform to the requirements set forth in the Contract. Unless otherwise provided in the Contract, acceptance shall be conclusive except as regards to latent defects, fraud, or such gross mistakes as amount to fraud.

**QUALITY CONTROL:** The contractor(s) shall maintain batch and lot numbers on each shipment. Samples of each batch are to be kept for submission to the state of Ohio upon request. The state of Ohio reserves the option to test batch samples. Failure to meet specification requirements as a result of such tests will render the supplier financially liable for any losses incurred by the purchaser, including the cost of such test. Further remedies may be pursued under Standard Contract Terms and Conditions, Item C Termination/Suspension of the Contract Terms and Conditions.

**DESCRIPTIVE LITERATURE:** The Bidder may be required to submit descriptive literature of the supplies or services being offered. If requested, the literature will be used in the evaluation process to determine the lowest responsive and responsible bidder. If not provided as part of the bid response, the Bidder must provide said literature within ten (10) calendar days after request/notification by the Office of Procurement Services to do so. Any references, that may appear in the descriptive literature, that may alter the terms and conditions and specifications of the bid (e.g. F.O.B. Shipping Point or Prices Subject to Change), will not be part of any contract and will be disregarded by the state of Ohio. Failure of the bidder to furnish descriptive literature either as part of their bid response or within the time specified herein will deem the bidder not responsive.

**EVALUATION:** Bids will be evaluated in accordance with Article I-17 of the "Instructions to Bidders". In addition, the state will base the evaluation on the price per tube, pound, or gallon as applicable. Quantity price breaks will not be considered, but will be a part of the contract, if offered. To determine the low lot total price of each category, the state will multiply the estimated annual usage of each item designated in the category by its corresponding unit price and then add these totals together. Although there will be separate category awards made, bidders are eligible to receive awards of multiple categories providing he/she is the lowest responsive and responsible bidder meeting all bid specifications and requirements listed within the categories. Where the quantity shown is "unknown", the value of one (1) will be used for evaluation purposes.

SPECIAL CONTRACT TERMS AND CONDITIONS (Cont'd.)

**AWARD:** All sizes and grades within a given category will be awarded to one (1) vendor. Bidders should quote on all sizes and grades within a category. Failure to bid all sizes and grades within the category may result in the disqualification of the bid for the category.

**FIXED-PRICE WITH ECONOMIC ADJUSTMENT:** The contract prices(s) will remain firm for the first six (6) months duration of the contract. Thereafter, the Contractor may submit a request to increase their price(s) to be effective thirty (30) calendar days after acceptance by DAS. No price adjustment will be permitted prior to the effective date of the increase received by the Contractor from his suppliers, or on purchase orders that are already being processed, or on purchase orders that have been filled and are awaiting shipment. If the Contractor receives orders requiring quarterly delivery, the increase will apply to all deliveries made after the effective date of the price increase.

The price increase must be supported by a general price increase in the cost of the finished supplies, due to increases in the cost of raw materials, labor, freight, Workers' Compensation and/or Unemployment Insurance, etc. Detailed documentation, to include a comparison list of the contract items and proposed price increases, must be submitted to support the requested increase. Supportive documentation should include, but is not limited to: copies of the old and the current price lists or similar documents which indicate the original base cost of the product to the Contractor and the corresponding increase, and/or copies of correspondence sent by the Contractor's supplier on the supplier's letterhead, which contain the above price information and explains the source of the increase in such areas as raw materials, freight, fuel or labor, etc.

Should there be a decrease in the cost of the finished product due to a general decline in the market or some other factor, the Contractor is responsible to notify DAS immediately. The price decrease adjustment will be incorporated into the contract and will be effective on all purchase orders issued after the effective date of the decrease. If the price decrease is a temporary decrease, such should be noted on the invoice. In the event that the temporary decrease is revoked, the contract pricing will be returned to the pricing in effect prior to the temporary decrease. For quarterly deliveries, any decrease will be applied to deliveries made after the effective date of the decrease. Failure to comply with this provision will be considered as a default and will be subject to Provision I.C. "Termination/Suspension" and Provision II. of the "Contract Remedies:" of the "Standard Contract Terms and Conditions".

**COOPERATIVE PURCHASING CONTRACT:** This Contract may be relied upon by Ohio institutions of higher education and Ohio political subdivisions. Ohio political subdivisions include any county, township, municipal corporation, school district, conservancy district, township park district, park district created under Chapter 1545 of the Revised Code, regional transit authority, regional airport authority, regional water and sewer district, port authority or any other political subdivision as described in the Ohio Revised Code. To qualify to use this Contract the political subdivision must be currently enrolled in the State's Cooperative Purchasing Program. Purchases made from this Contract by a political subdivision that is not properly registered with the State's Cooperative Purchasing Program will be a violation of law and may be contrary to the political subdivision's competitive bidding requirements. If a political subdivision or institution of higher education relies upon this Contract to issue a purchase order or other ordering document, the political subdivision or institution of higher education "steps into the shoes" of the State under this Contract. The political division's or institution of higher education's order and this Contract are between the Contractor and the political subdivision or institution of higher education. The Contractor must look solely to the political subdivision or institution of higher education for performance, including payment. The Contractor agrees to hold the state of Ohio harmless with regard to political subdivisions and institution of higher education's orders and political subdivision's and institution of higher education's performance. DAS may cancel this Contract and may seek remedies if the Contractor fails to honor its obligations under an order from a political subdivision or institution of higher education.

**CONTRACTOR QUARTERLY SALES REPORT:** The Contractor must report the quarterly dollar value (in U.S. dollars and rounded to the nearest whole dollar) of the sales, to include both state agencies and political subdivisions, under this Contract by calendar quarter (e.g. January-March, April-June, July-September and October-December). The dollar value of the sale is the price paid by the Contract user for the products and/or services listed on the purchase order or other encumbering document, as recorded by the Contractor.

The Contractor shall be required to report the quarterly dollar value of sales to the Department of Administrative Services (DAS) on a form prescribed by DAS. If no sales occur, the Contractor must show zero. The report must be submitted thirty (30) days following the completion of the reporting period.

The Contractor shall also submit a close-out report within one hundred and twenty (120) days after the expiration of this Contract. The Contract expires upon the physical completion of the last outstanding task or delivery order of the Contract. The close-out report must cover all sales not shown in the final quarterly report and reconcile all errors and credits. If the Contractor reported all contract sales and reconciled all errors and credits on the final quarterly report, then the Contractor should show zero "0" sales in the close-out report.

The Contractor must forward the Quarterly Sales Report to the following address:

Department of Administrative Services  
General Services Division, Term Contract Program  
4200 Surface Road  
Columbus, OH 43228-1395

SPECIAL CONTRACT TERMS AND CONDITIONS (Cont'd.)

If the Contractor fails to submit sales reports, falsifies reports or fails to submit sales reports in a timely manner, DAS may terminate or cancel this Contract.

**CONTRACTOR REVENUE SHARE:** The Contractor must pay the Department of Administrative Services (DAS) a revenue share of the sales transacted under this contract. The Contractor must remit the revenue share in U.S. dollars within thirty (30) days after the end of the quarterly sales reporting period. The revenue share equals 0.75% of the total quarterly sales reported. Contractors must include the revenue share in their prices. The revenue share is included in the award price(s) and reflected in the total amount charged to ordering agencies which includes both state agencies and political subdivisions using this Contract.

The contractor must remit any monies due as the result of the close-out report at the time the close-out report is submitted to DAS. The Contractor must pay the revenue share amount due by check. To ensure the payment is credited properly, the Contractor must identify the check as a "Revenue Share" and include the following information with the payment:

Applicable State Term Contract Number, report amount(s) and the reporting period covered.

The Contractor should make the check payable to: Treasurer, State of Ohio and forward the check to the following address:  
Department of Administrative Services  
General Services Division – Term Contract Program  
4200 Surface Road  
Columbus, OH 43228-1395

If the full amount of the revenue share is not paid within thirty (30) calendar days after the end of the applicable reporting period, the non-payment constitutes a contract debt to the State. The State may either initiate withholding or setting off payments or employ the remedies available under Ohio law for the non-payment of the revenue share.

If the Contractor fails to pay the revenue share in a timely manner, DAS may terminate or cancel this Contract.

DISCLOSURE OF SUBCONTRACTORS / JOINT VENTURES (See Standard Contract Terms and Conditions, Section (roman numeral) V. General Provisions:, Paragraph Q.):

List names of subcontractors who will be performing work under the Contract.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

By the signature affixed to Page 1 of this Bid, Bidder hereby certifies that the above information is true and accurate. The Bidder agrees that no changes will be made to this list of subcontractors or locations where work will be performed or data will be stored without prior written approval of DAS. Any attempt by the Bidder/Contractor to change or otherwise alter subcontractors or locations where work will be performed or locations where data will be stored, without prior written approval of DAS, will be deemed as a default. If a default should occur, DAS will seek all legal remedies as set forth in the Terms and Conditions which may include immediate cancellation of the Contract. Failure to complete this page may deem your bid not responsive.

**AUTOMOBILE LIABILITY INSURANCE:** Automobile Insurance is required for anyone coming onto State Property to deliver goods or to perform services using a vehicle, which is owned, leased or rented by the Contractor. Any Bidder, Broker or Sub Contractor who will be on State Property, but not delivering goods or performing services, is required to carry Automobile Liability insurance that complies with the State and Federal laws regarding financial responsibility.

A. Contractor will indicate, by checking the appropriate box(es) below, which mode of transportation will apply to this contract.

Bidder/Broker ("The Contractor") or their Sub Contractor will make delivery or be performing services using a vehicle that is owned, leased or rented. Provide Certificate of Insurance documenting automobile liability with a Combined Single Limit of \$500,000.00.

Goods/Services will be delivered via common carrier.

No employee or representative of the contractor will have cause to be on state property to make deliveries or to perform services.

## SPECIFICATIONS

### I. SCOPE AND CLASSIFICATION:

#### A. SCOPE:

1. These specifications define the state's requirements for oils, lubricants, antifreeze and other related products. These products will be used by state agencies in the operation of state government.
2. The classifications of products and parameters of performance are covered by the various standards as listed herein.

#### B. CLASSIFICATION:

1. Lubricants from virgin stock, mineral oil and antifreeze.
2. Synthetic Oils and Lubricants. (Items 1 through 12A, Open Market).
3. Re-Refined oils and lubricants. (Items 13, 14 and 14A, Minority Business Enterprise).

### II. APPLICABLE PUBLICATIONS AND STANDARDS:

- A. SAE Fuels and Lubricants Standards Manual, latest edition.
- B. ASTM, API, SAE and Industry Standards as noted below.

### III. REQUIREMENTS AND SPECIFICATIONS:

#### A. Lubricants from virgin stock, mineral oil and antifreeze.

##### 1. Item #1 - Multi-Purpose Lithium Base No. 2 Grease

- a. This specification covers one (1) grade of multi-purpose grease, National Lubricating Grease Institute Classification Number 2. It shall be suitable for wheel bearing lubricant and chassis lubrication.
  1. Material - The grease should be a smooth, homogeneous mixture of well refined mineral or synthetic oil or combination thereof, with a suitable gelling agent, properly stabilized to insure that the finished product will meet the requirements of this specification. The grease should be free of abrasives or fillers such as rosin, rosin oil, talc, wax, powdered mica, kaolin, sulfur, abets, graphite, or other undesirable or deleterious material.
  2. Odor - The grease should have only a slight odor of the components. Any distinct odor, such as rancidity or perfume, should be sufficient cause for rejection.
  3. Description - The grease should be homogeneous, smooth in texture, and free of lumps, granular particles, or entrapped air. It should exhibit no signs of separations or bleeding and the workmanship should be a representative of the best commercial practice in the manufacture of greases.
- b. Additionally, the multi-purpose grease shall meet the following chemical and physical requirements.
  1. Timken EP Test, ASTM D2509, 40 lb. minimum
  2. Dropping Point, ASTM D2265, 350°F. minimum
  3. Rust Prevention, ASTM D1743, No. 1 rating
  4. Deleterious Particles, ASTM D1404, Class 1 rating
  5. Leakage Tendencies, ASTM D1263, 10 grams maximum
  6. Water Washout Characteristics, ASTM D1264, 5% maximum

##### 2. Item #2 - Hydraulic Brake Fluid, SAE J1703

- a. Brake fluid should meet FMVSS #116 and SAE J1703 specifications
- b. Each container of brake fluid should be labeled in compliance with SAE J-988.
- c. Two (2) types of brake fluid are required to meet the requirements of D.O.T. #3 and D.O.T. #4.

SPECIFICATIONS (Cont'd.)

3. Item #3 - Multi-Purpose Gear Lubricant, Extreme Pressure

- a. This lubricant should conform to Federal Specifications MIL-L-2105E, latest edition and API Services GL-5.
- b. Universal gear lubricants should include S.A.E. Grades 80W90 and 85W140.

4. Item #4 - Heavy Duty Truck Hydraulic Fluid Type TO-4

- a. A lubricant suitable for use in hydraulic transmission on heavy duty trucks, busses, and earth-moving vehicles, where the manufacturer recommends Type TO-4 (also suitable for applications requiring Type C-1, C-2, C-3 or C-4 Hydraulic Transmission Fluid.)
- b. Base: This transmission fluid Type C-4 should be of a paraffin base.
  - 1. This lubricant, when tested, should conform to the latest revision of specification for hydraulic transmission fluid, Type C-4, as approved to meet the specification requirements of the Allison Division of General Motors Corporation.
  - 2. Evidence of corporeity should be furnished in the form of inclusion of the products in the latest edition of the list of approved lubricants under title of hydraulic transmission fluid, Type C-4, published by the Allison Division of General Motors Corporation and Caterpillar TO-4 requirements.

Gravity	29.3	Pour	Min. -35
Flash ° F.	420	Carbon Residue	
Fire ° F.	460	Foam Test	Pass
Viscosity @ 0°	4000 SUS	Rust Protection	Pass
100°	196 SUS	Oxidation Resistance	Pass
210°	46.8 SUS	Effect on Rubber Seal	None
Viscosity Index	Min. 106		

5. Item #5 - 2-Cycle Outboard Motor Engine Oil (50 to 1 Ratio)

- a. This specification covers an ashless detergent motor lubrication oil for use in 2 cycle outboard motor engines where oil is mixed with fuel for lubrication. This oil should be specifically designed for 2 cycle operation.
- b. The 2 cycle outboard engine oil should be registered with the National Marine Manufacturers Association (NMMA) and assigned certification for TC-W III (3). A copy of the NMMA TC-W3 certified oils registered number showing the number, since 2003, is to be submitted the bid response.

6. Items #6, 6-A and 6-B Motor Oil, Internal Combustion Universal Type

- a. Internal Combustion Oil: Product offered in this category should be from one (1) refiner. Use of multiple refiners is not acceptable and may deem the bid non-responsive for this category. Failure to supply the brand name and number may deem the bid, for this category, non responsive. Further consideration for award, for this category, may not be given.
- b. Bidders should submit laboratory test results or technical data sheets confirming that the oil meets API ratings, SAE viscosity grades, and API gravity and viscosity at 100° C.
- c. Bidders should quote on all grades of oil. Similar grades may be substituted if the substituting grade meets all usage requirements.
  - 1. Detergent Oil - For gasoline should meet or exceed API SM. For diesel engine should meet or exceed CJ-4 for 15W40. The 30 and 40 grades should meet or exceed U.S.-CID: A-A-52039 and the API gravity at viscosity stated in Table I. The following SAE viscosity grades are required: 30 and 40 and 15W40 CJ-4 and should meet API SM requirements (U.S.-CID: AA-52306). 5W20 should meet or exceed API SM, ILSAC, GF3.
  - 2. Non-Detergent Oil - This oil should be a high viscosity index oil (minimum 90) and should meet API SA requirements. The following SAE viscosity grades are required: 20W-20, 30, and 40.

SPECIFICATIONS (Cont'd.)

3. TABLE I

API gravity and viscosity at 100° C. for Item 6, 6A and 6B

SAE Viscosity Grade	Viscosity at Minimum API Gravity (+ 1)	Kinematic Viscosity (c St) at 100° C MIN. MAX.
30	27.0	9.3 < 12.5
40	25.5	12.5 < 16.3
5W20	32.5	7.6 < 8.9
5W30	29.0	9.3 < 12.5
10W30	27.5	9.3 < 12.5
10W40	28.0	12.5 < 16.3
15W40	27.0	12.5 < 16.3

- d. When deemed necessary, samples may be taken from deliveries and submitted to an independent laboratory for the following test, to be performed not excluding any additional tests, as stated in the military specifications. Failure to meet the specification requirements as a result of such testing may invalidate the contract and will render the supplier financially liable for any losses incurred by the purchaser, including the cost of such tests.

Flash Point	ASTM D92
Pour Point	ASTM D97
Gravity, API	ASTM D287
Viscosity	ASTM D445
Metals	ASTM D811
Foaming	ASTM D892
Viscosity Index	ASTM D2270
Sulfated Ash	ASTM D874 (Heavy Duty, CG Oils only)

- e. To be supplied in 1 quart bottles, 55 gallon drums and bulk tanks of various sizes from 275 gallons to 1500 gallons.

Minimum order for bulk delivery will be 150 gallons.

- f. Locations currently interested in bulk delivery. Other locations may install tanks based upon cost savings. See State of Ohio bid district map located at web site: <http://procure.ohio.gov/pdf/maplist.pdf>.
- District #4, Ravenna, OH.
  - ODOT Central Garage, 1620 West Broad Street, Columbus, OH.
  - District #9, O.P.I. Truck Modification Center, Chillicothe, OH.
  - O.P.I. Vehicle Service Center, 1221 McKinley Avenue, Columbus, OH 43222. Contact and phone number: Mr. Bill Brooks, 614-387-2660.
  - Other locations or districts that may install tanks of various sizes from 275 gallons up to 1500 gallons.

7. Item #7 - Oil, Steam Cylinder

- This specification covers a steam cylinder oil.
- Type: The lubricating oil should be a refined mineral oil free from acid, alkali, or any foreign matter. It should be thoroughly reliable, efficient, and economical in actual service. Lubricating oil re-refined from crank case drainage or other "used lubricants" should not be considered under this specification.
- Performance: This oil should atomize easily and should have a sufficient factor of safety to prevent breakdown at 200 PSI pressure.

Characteristics	Minimum	Maximum	ASTM
Gravity, A.P.I.	22		
Flash ° F	540		D-92
Viscosity, SUS @ 210°F 1	40/160		D-88
Pour, °F		45	D-97
Carbon Residue, %		2.5	D-189
Fatty Oil Content, %	4	6	D-94
Neutralization No.		.20	D-188-41

SPECIFICATIONS (Cont'd.)

8. Item #8 – Passenger Car Automatic Transmission Fluid

- a. A multipurpose lubricant suitable for use in automatic transmissions on passenger cars and light duty trucks.
- b. Equal to and meeting the requirements for Ford and General Motors vehicles with automatic transmissions.
- c. Grades: Ford M2C33-F, Mercon V and General Motors Dexron VI.
- d. This lubricant should conform to specifications for automatic transmission fluid, Dexron VI, as commonly accepted in the automotive industry. Evidence of corporeity should be furnished in the form of the Armour Qualification Number (AF-ATF) under which the product is identified as being qualified by the Armour Research Foundation and associated committee on automobile transmission fluid.
- e. This lubricant is to be used in all automatic transmission in State service when the manufacturer recommends automatic transmission fluid: M2C33-F, Mercon V or Dexron VI. Typical properties are:

1. M2C33-F requirements:

a. Gravity, ASTM D 4052, °API	30.5
b. Pounds per gallon	7.27
c. Flash Point, COC, ASTM D 92, °F (°C)	392 (200)
d. Viscosity, ASTM D 445, cSt at 100°C	7.2
ASTM D 2161, SUS at 100°F	178
SUS at 210°F	50
cP at -18°C(1)	1,500
cP at -40°C(1)	40,000
Viscosity Index, ASTM D 2270	174
Pour Point ASTM D97, °F (°C)	-40 (-40)
Color	Red

Note: (1) Ford Procedure BJ3-2; ASTM D 2983 Brookfield Apparent Viscosity

2. Mercon V requirements:

a. Gravity, ASTM D 4052, °API	35.5
b. Pounds per gallon	7.06
c. Flash Point, COC, ASTM D 92, °F (°C)	383 (195)
d. Fire Point, COC, ASTM D 92, °F (°C)	410 (210)
e. Viscosity, ASTM D 445, cSt at 40°C	37
cSt at 100°C	7.8
ASTM D 2161, SUS at 100°F	186
SUS at 210°F	52
ASTM D 2983, cP at -40°C	9,000
cP at -20°C	900
Viscosity Index, ASTM D 2270	199
Pour Point ASTM D97, °F (°C)	-65 (-54)
Color	Red
4-Ball Wear Test (Mercon V Procedure)	
40 kg, 2 hours, 600 rpm, 150°C	0.39

3. Dexron VI requirements:

a. Gravity, ASTM D 4052, °API	35.35
b. Pounds per gallon	7.05
c. Flash Point, COC, ASTM D 92, °F (°C)	403 (206)
d. Pour Point ASTM D97, °F (°C)	-65 (-54)
e. Viscosity, ASTM D 445, cSt at 40°C	29.7
cSt at 100°C	6.0
ASTM D 2983, cP at -20°C	1,050
cP at -40°C	12,000
f. Viscosity Index, ASTM D 2270	150
g. Color	Red

9. Item #9 - Common Reservoir Type Hydraulic Fluid

- a. Hydraulic/Tractor Fluid - For use in transmission, final drives, and hydraulic systems of tractors employing a central or common fluid reservoir.
- b. Should meet the following service requirements:
  1. Ford M2C41-B, M2C53-A /B
  2. J.I. Case Hi-Lo TCH Fluid

## SPECIFICATIONS (Cont'd.)

3. I.H.C. Hy-Tran Fluid
  4. John Deere J20C
  5. Allison C-4
  6. Caterpillar TO-4
- c. This product should meet physical, chemical, and performance requirements of fluids intended for use in the transmission and hydraulic systems of common reservoir equipment. These fluids should have special additives designed to provide desired frictional characteristics for wet brake and wet clutch performance, power shift clutch, reduced wear in gears and other advantageous characteristics. Product offered should not be harmful to rubber O-rings, gaskets, fiber clutch parts and brakes.
10. Item #10 - Wheel Bearing Disc Brake Lubricant

Requirements:

1. NLGI Grade #2
2. Dropping point minimum of 490° F
3. ASTM D1743 - Rust Prevention, No. 1 rating
4. ASTM D942 - Oxidation Stability, 100 hours, 5 maximum
5. Meet G.M. Specification #9985254, or latest revision
6. Mineral Oil Specs.: Viscosity @ 210° F. - 85-95 SUS

11. Item #11 - Hydraulic Oil

Requirements:

1. Viscosity - 160 S.U.S. @ 100° F. (ISO 32 AW)
2. For use in high pressure hydraulic systems by leading pump manufacturers.
3. Should comply with Vickers High Pressure Pump Wear Test (100 hours at 2000 P.S.I.) or Dennison Specification HF-0 Antiwear Hydraulic Oils.
4. Bulk product is for delivery to the ODOT Truck Modification Center at the Ohio Penal Industries (OPI), Chillicothe Correctional Institution, 15802 State Route 104 North, Chillicothe, OH 45601. Other facilities and locations throughout the state of Ohio may purchase bulk product.
  - a. Contact Person: Mr. Tony Foltz, Vehicle Modification Center – (740) 775-0001.
  - b. Delivery: 7:00 A.M. – 2:30 P.M., Monday through Thursday, excluding state observed holidays.
  - c. Security considerations at the Chillicothe Correctional Institution could create abnormal delays or rejection of shipment(s). This may be due to: emergency lockdown, inmate count, fog alert, or other inclement weather. It is important to call the contact person prior to sending a truck for delivery. These delays are rare but may happen several times per year.
  - d. In the event that a problem cannot be resolved regarding delivery, contact: Major Clever at 740-774-7080, ext. 2256.

12. Item #12 - Super Heavy Duty Extreme Pressure Grease

- a. Grease is specially formulated to provide maximum, long lasting protection to bearings and other areas exposed to severe conditions of pounding, moisture contamination, or heavy loads. Excellent in applications where there is a need to provide extended component life while reducing excessive grease consumption.
- b. Description:

Extremely tacky, non-fibrous, long-life adhesive/cohesive grease designed with a 60 pound Timken OK Load Tarring which lasts through the life of the lubricant. Should have a drop point of 385°F, minimum, and resist pounding out or water washout and given excellent protection against corrosion and wear.

SPECIFICATIONS (Cont'd.)

Item 12 (cont'd.)

Specifications		N.L.G.I. #1
Penetration, 60 Strokes	ASTM D-566	325
Drop Point, °F, Min.	ASTM D-2509	385
Timken OK Load, Lbs. min.	ASTM D-4048	60
Copper Strip Corrosion Rating	ASTM D-4048	Pass, 1a
Water Washout, % loss Max @ 175°F	ASTM D-1264	3.0
Base Oil Viscosity:	ASTM D-445	
@ 40°C, cSt		450
@ 100°C, cSt		35.0
@ 100°F, SUS		2000
@ 210°F, SUS		165
Viscosity Index	ASTM D-2270	115

13. Item #12A – Calcium Sulfonate Grease, Extreme Pressure Grease:

a. Grease is specially formulated for use in a broad range applications exhibiting excellent water-resistance and water-washout characteristics. Excellent for heavy load conditions, corrosion protection and high speed characteristics. A lubricant for use on bearings in construction, automotive applications, manufacturing and marine applications.

b. Description:

Extremely tacky, non-fibrous, long-life adhesive/cohesive grease designed with a 60 pound Timken OK Load Tarring which lasts through the life of the lubricant. Should have a drop point of 610°F, minimum, and be water resistance and water washout and given excellent protection against corrosion and wear.

Specifications		N.L.G.I. #2
Penetration, Worked 60 Strokes	ASTM D-217	278
Drop Point, °F, Min.	ASTM D-2265	610
Timken OK Load, Lbs. min.	ASTM D-2509	60
Copper Strip Corrosion Rating	ASTM D-130	1B
Water Washout, % loss Max @ 175°F	ASTM D-1264	0.1%
Base Oil Specs.:	ASTM D-445	
@ 40°C, cSt		113
@ 100°C, cSt		12.1
Viscosity Index	ASTM D-2270	96
Flash Point, COC, °F	ASTM D-92	490
Pour Point, °F	ASTM D-97	15

IV. NOTES:

- A. PACKING, PACKAGING, AND MARKING: Packing and packaging is to conform to the best commercial practice. Size of containers is stated for each item on the bidder's table. All steel drums and pails are to be marked to show brand name, grade, producer, date of filling, batch number, and net contents. Cases of quarts and gallons are to be marked the same on the individual containers and on the carton or package.
- B. QUALIFICATION OF BIDDER: If the bidder is not an established refiner, the state reserves the right to contact the bidder's listed refiner to verify product compliance with specifications requirements set forth herein. All bids must include product data and/or technical information for the items bid, with specifications sufficient for the evaluation of the bids. In all cases, it shall be the vendors responsibility to set forth in writing and attach to their bid a complete list showing all deviations from the specifications. Failure to comply with this stipulation may result in the bid being rejected. Bids and literature may be mailed in large envelopes or packages, providing bid number and opening date are shown on outside of parcel.

SPECIFICATIONS (Cont'd.)

C. DELIVERY FOR DEPARTMENT OF TRANSPORTATION: Will be to the following destinations in Ohio.

District 1	Lima	District 7	Sidney
District 2	Bowling Green	District 8	Lebanon
District 3	Ashland	District 9	Chillicothe
District 4	Ravenna	District 10	Marietta
District 5	Jacksontown	District 11	New Philadelphia
District 6	Delaware	District 12	Garfield Heights
Central Garage	Columbus		

D. "MATERIAL SAFETY DATA SHEET": After bid opening, bidders may be requested to submit a "Material Safety Data Sheet" designed to meet OSHA requirements pursuant to any hazardous effect which may be caused due to any chemical compound and/or formulation of the item being bid.

Material Safety Data Sheet must also be sent, by the successful vendor, with all initial shipments going to various destinations as ordered after the award of the contract. If the chemical composition of the compound being bid does not contain any hazardous effect, the vendor must indicate so on the "Material Safety Data Sheet".

E. ACCIDENTAL RELEASE OF SPILLAGE: Accidental release of spillage during delivery of product by the contractor or his agent shall result in the contractor being responsible for all cost of cleanup and disposal of all contaminated soil. Cleanup and disposal shall be conducted in accordance with state and federal EPA regulations and guidelines.

F. REFINER: Each bidder shall identify, by brand name and respective refiner, those products being offered by the bidder. Contractor(s) may be required to furnish information and data to support the fact that the refiner has maintained constant quality of his base stock. Contractor(s) shall be prepared to submit, upon request of State Purchasing, the following information relative to additives in their product:

1. Engine test data prepared by the additive supplier, relating to the product resulting from the additive being combined with the bidder's base stock.
2. This testing shall have been performed by a Lubricants Review Institute (LRI) approved laboratory, and so identified and noted, within the test data report.

G. API, SAE, AND ASTM REQUIREMENTS: The oils produced by using the base stock must have the proper additives to meet the API, SAE, and ASTM requirements for that grade of oil.

H. PACKAGING: May include the use of recycled steel, aluminum, paper, and plastic in the manufacture of the packaging and shipping components for the above described products. BIDDER: INDICATE: IF RECYCLED PACKAGING MATERIALS USED IN ITEMS: \_\_\_\_\_(Y/N) If yes, indicate percent \_\_\_\_\_%

YOUR BID:

PART I

**ITEM #1 GREASE, MULTI-PURPOSE LITHIUM #2EP**

ITEM ID NO.:	DESCRIPTION	ESTIMATED ANNUAL USAGE	PRICE PER UNIT	PRICE PER
TBD	14 Oz. Tube	440 Tubes	\$ tube	\$ case
TBD	120 Lb. Drum/Keg	20 Drums	\$ lb.	\$ drum
TBD	55 Gallon Drum	Unknown	\$ lb.	\$ drum

REFINER: \_\_\_\_\_ BRAND NAME AND NUMBER: \_\_\_\_\_

Contains recycled materials – Y/N: \_\_\_\_\_ if Yes \_\_\_\_\_%. (Will not be part of the evaluation)

**ITEM #2 HYDRAULIC BRAKE FLUID S.A.E. J1703**

Brake Fluid meeting FMVSS#116 and S.A.E. J1703 specifications. To be supplied in one (1) gallon cans or five (5) gallon pails.

ITEM ID NO.:	DESCRIPTION	ESTIMATED ANNUAL USAGE	PRICE/GALLON IN ONE (1) GAL. CANS	UNITS/ CASE	PRICE/GALLON IN FIVE (5) GAL. CANS
TBD	D.O.T. #3	Unknown			
TBD	D.O.T. #4	Unknown			

**NOTE:** Each container of brake fluid must be labeled in compliance with S.A.E. J988.

REFINER: \_\_\_\_\_ BRAND NAME & NUMBER: \_\_\_\_\_

Contains recycled materials – Y/N: \_\_\_\_\_ if Yes \_\_\_\_\_%. (Will not be part of the evaluation)

**ITEM #3 MULTIPURPOSE GEAR OIL EXTREME PRESSURE**

ITEM ID NO.:	DESCRIPTION	ESTIMATED ANNUAL USAGE	S.A.E.	PRICE/POUND	PRICE PER
TBD	35 LB. CAN	Unknown	80W90	\$	\$ can
TBD		Unknown	85W140	\$	\$ can
TBD	120 LB. DRUM OR KEG	1,120 Lbs.	80W90	\$	\$ drum
TBD		360 Lbs.	85W140	\$	\$ drum
TBD	55 GALLON DRUM	Unknown	80W90	\$	\$ drum
TBD		Unknown	85W140	\$	\$ drum

REFINER: \_\_\_\_\_ BRAND NAME AND NUMBER: : \_\_\_\_\_

Contains recycled materials – Y/N: \_\_\_\_\_ if Yes \_\_\_\_\_%. (Will not be part of the evaluation)

**ITEM #4 HYDRAULIC TRANSMISSION FLUID, TO-4**

ITEM ID NO.:	DESCRIPTION	ESTIMATED ANNUAL USAGE	PRICE/GALLON
TBD	5 LB. CAN	Unknown	\$
TBD	55 GAL. DRUM	Unknown	\$

REFINER: \_\_\_\_\_ BRAND NAME & NUMBER: \_\_\_\_\_

Contains recycled materials – Y/N: \_\_\_\_\_ if Yes \_\_\_\_\_%. (Will not be part of the evaluation)

**ITEM #5 OIL, 2-CYCLE MOTOR AND OIL INJECTION ENGINES**

Engine Oil, for Two-Cycle Motors and Oil Injection Engines when oil is mixed with the fuel for lubrication, such as lawn mowers, outboard marine motors, etc., to meet NMMA, TC-WIII (3)

ITEM ID NO.:	DESCRIPTION	S.A.E.	ESTIMATED ANNUAL USAGE	PRICE PER UNIT	UNITS PER CASE
TBD	Quart Cans/Bottles	30	Unknown	\$ /QT.	
TBD	8 Oz. Cans	30	Unknown	\$ /8 oz.	

REFINER: \_\_\_\_\_ BRAND NAME & NUMBER: \_\_\_\_\_

Contains recycled materials – Y/N: \_\_\_\_\_ if Yes \_\_\_\_\_%. (Will not be part of the evaluation)

**ITEM #6 OIL, MOTOR, UNIVERSAL TYPE  
DIESEL ENGINE AND GASOLINE ENGINE, MEETING A.P.I. SM, CJ-4**

ITEM ID NO.:	DESCRIPTION	S.A.E.	ESTIMATED ANNUAL USAGE	BRAND NAME NUMBER	PRICE PER GALLON
TBD	12/1 Qt. Cans/Bottles	5-W-20	144 Gals.		\$
TBD		5-W-30	330 Gals.		\$
TBD		10-W-30	18 Gals.		\$
TBD	55 Gal. Drum	30	440 Gals.		\$
TBD		40	Unknown		\$
TBD		5-W-20	835 Gals.		\$
TBD		5-W-30	990 Gals.		\$
TBD		10-W-30	550 Gals.		\$
TBD		10-W-40	550 Gals.		\$
TBD		15-W-40	5,060 Gals.		\$

REFINER: \_\_\_\_\_

Contains recycled materials – Y/N: \_\_\_\_\_ if Yes \_\_\_\_\_%. (Will not be part of the evaluation)

**ITEM #6 OIL, MOTOR, UNIVERSAL TYPE**  
**DIESEL ENGINE AND GASOLINE ENGINE, MEETING A.P.I. SM, CJ-4** (Cont'd.)

ITEM ID NO.:	DESCRIPTION	S.A.E.	ESTIMATEED ANNUAL USAGE	BRAND NAME NUMBER	PRICE PER GALLON
TBD	Bulk 275 – 1500 Gallon Tank	5-W-20	Unknown		\$
TBD		5-W-30	725 Gals.		\$
TBD		10-W-30	Unknown		\$

REFINER: \_\_\_\_\_

Contains recycled materials – Y/N: \_\_\_\_\_ if Yes \_\_\_\_\_%. (Will not be part of the evaluation)

**ITEM #6-A OIL, MOTOR, INTERNAL COMBUSTION, NON-DETERGENT**

ITEM ID NO.:	DESCRIPTION	S.A.E.	ESTIMATEED ANNUAL USAGE	BRAND NAME NUMBER	PRICE PER GALLON
TBD	55 Gal. Drum	20W-20	Unknown		\$
TBD		30	Unknown		\$
TBD		40	Unknown		\$

REFINER: \_\_\_\_\_

Contains recycled materials – Y/N: \_\_\_\_\_ if Yes \_\_\_\_\_%. (Will not be part of the evaluation)

**ITEM #6-B OIL, MOTOR, INTERNAL UNIVERSAY TYPE**  
**DIESEL ENGINE AND GASOLINE ENGINE MEETING A.P.I. SM, CJ-4**

ITEM ID NO.:	DESCRIPTION	S.A.E.	ESTIMATEED ANNUAL USAGE	BRAND NAME NUMBER	PRICE PER GALLON
TBD	12/1 Qt. Cans/Bottles	15-W-40	15 Gals.		\$
TBD	55 Gal. Drum	15-W-40	12,600 Gals.		\$
TBD	Bulk 275 – 1500 Gallon Tank	15-W-40	6,800 Gals.		\$

REFINER: \_\_\_\_\_

Contains recycled materials – Y/N: \_\_\_\_\_ if Yes \_\_\_\_\_%. (Will not be part of the evaluation)

**ITEM #7 OIL, STEAM CYLINDER**

ITEM ID NO.:	DESCRIPTION	S.A.E.	ESTIMATEED ANNUAL USAGE	PRICE PER GALLON	PRICE PER
TBD	5 Gallon Can	30	Unknown	\$	\$ can
TBD	55 Gallon Drum		Unknown	\$	\$ drum

REFINER: \_\_\_\_\_ BRAND NAME & NUMBER: \_\_\_\_\_

Contains recycled materials – Y/N: \_\_\_\_\_ if Yes \_\_\_\_\_%. (Will not be part of the evaluation)

**ITEM #8 MULTI-PURPOSE AUTOMATIC TRANSMISSION FLUID FORD M2C33-F, DEXRON VI & MERCON V**

ITEM ID NO.:	DESCRIPTION	ESTIMATEED ANNUAL USAGE	PRICE PER GALLON
TBD	12/1 QT. CAN/BOTTLES	Unknown	\$ FORD M2C33-F
TBD		25 Gals.	\$ DEXRON VI
TBD		Unknown	\$ MERCON V
TBD	55 GAL. DRUM	Unknown	\$ FORD M2C33-F
TBD		1,250 Gals.	\$ DEXRON VI
TBD		Unknown	\$ MERCON V

REFINER: \_\_\_\_\_ BRAND NAME & NUMBER: \_\_\_\_\_

Contains recycled materials – Y/N: \_\_\_\_\_ if Yes \_\_\_\_\_%. (Will not be part of the evaluation)

**ITEM #9 HYDRAULIC FLUID COMMON RESERVOIR**

ITEM ID NO.:	DESCRIPTION	ESTIMATEED ANNUAL USAGE	PRICE PER GALLON
TBD	5 Gal. Can	5 Gals.	\$
TBD	55 Gal. Drum	1,650 Gals.	\$

REFINER: \_\_\_\_\_ BRAND NAME & NUMBER: \_\_\_\_\_

Contains recycled materials – Y/N: \_\_\_\_\_ if Yes \_\_\_\_\_%. (Will not be part of the evaluation)

**ITEM #10 WHEEL BEARING DISC BRAKE LUBRICANT (GM 9985254) (Latest Revision)**  
**NLGI GRADE #2, DROPPING POINT MINIMUM 490°F**

ITEM ID NO.:	DESCRIPTION	ESTIMATEED ANNUAL USAGE	PRICE PER UNIT	TUBES PER CASE
TBD	14 Oz. Tube	Unknown	\$ tube	
TBD	35 Lb. Pail	Unknown	\$ lb.	
TBD	120 Lb. Drum/Keg	Unknown	\$ lb.	

REFINER: \_\_\_\_\_ BRAND NAME & NUMBER: \_\_\_\_\_

Contains recycled materials – Y/N: \_\_\_\_\_ if Yes \_\_\_\_\_%. (Will not be part of the evaluation)

**ITEM #11 HYDRAULIC OIL**

(VISCOSITY 160 S.U.S. AT 100°F.) MUST COMPLY WITH VICKERS HIGH PRESSURE PUMP WEAR TEST (100 HOURS AT 2000 P.S.I.) (DENISON SPEC. HF-0 ANTIWEAR HYDRAULIC OILS)

ITEM ID NO.:	DESCRIPTION	ESTIMATEED ANNUAL USAGE	PRICE PER GALLON
TBD	5 Gal. Can	Unknown	
TBD	55 Gal. Drum	40,000 Gals.	
TBD	Bulk – 1500 gallon tank	14,000 Gals.	

REFINER: \_\_\_\_\_ BRAND NAME & NUMBER: \_\_\_\_\_

Contains recycled materials – Y/N: \_\_\_\_\_ if Yes \_\_\_\_\_%. (Will not be part of the evaluation)

**ITEM #12 GREASE, SUPER HEAVY DUTY, EXTREME PRESSURE**

ITEM ID NO.:	DESCRIPTION	ESTIMATEED ANNUAL USAGE	PRICE PER UNIT	TUBES PER CASE
TBD	14 Oz. Tube	Unknown	\$ /tube	
TBD	120 Lb. Drum	Unknown	\$ /lb.	

REFINER: \_\_\_\_\_ BRAND NAME & NUMBER: \_\_\_\_\_

Contains recycled materials – Y/N: \_\_\_\_\_ if Yes \_\_\_\_\_%. (Will not be part of the evaluation)

**ITEM #12A CALCIUM SULFONATE GREASE, EXTREME PRESSURE GREASE**

ITEM ID NO.:	DESCRIPTION	ESTIMATEED ANNUAL USAGE	PRICE PER UNIT	TUBES PER CASE
TBD	14 Oz. Tube	Unknown	\$ /tube	
TBD	120 Lb. Drum	2	\$ /lb.	

REFINER: \_\_\_\_\_ BRAND NAME & NUMBER: \_\_\_\_\_

Contains recycled materials – Y/N: \_\_\_\_\_ if Yes \_\_\_\_\_%. (Will not be part of the evaluation)