

QUESTIONNAIRE  
FOR  
MOTOR OILS, LUBRICANTS AND GREASES  
Group A: Two Cycle Motor Oil

Vendors should make additional copies of this form as necessary. Please look at the group listed above, and only use the page which applies to the product you are submitting for review. Each one-page questionnaire shall be fully completed by bidder for each product offered.

1. Bidder: \_\_\_\_\_
2. Manufacturer: \_\_\_\_\_
3. Brand: \_\_\_\_\_
4. Product name and part number: \_\_\_\_\_  
\_\_\_\_\_
5. Using the table in NC Standard Specification #9150-1 (latest revision), Paragraph III, Classification, list the category for this product. For Two Cycle Motor Oil (1, 2, or 3): \_\_\_\_\_
6. For Category 1 only, is the oil certified by the National Marine Manufacturers Association (NMMA) for service TC-W3? \_\_\_\_\_ (yes/no)
7. For Category 2 and 3 only, does the oil pass a nationally recognized test for biodegradability? \_\_\_\_\_ (yes/no)  
If so, which test? \_\_\_\_\_
8. Does manufacturer of this product offered above fully comply with NC Standard Specification #9150-1 (latest revision)? \_\_\_\_\_ (yes/no)
9. Does product submission include a technical data sheet and copy of the product label? \_\_\_\_\_ (yes/no)

QUESTIONNAIRE  
FOR  
MOTOR OILS, LUBRICANTS AND GREASES  
Group B: Motor Oil, Mineral Oil and Synthetic

Vendors should make additional copies of this form as necessary. Please look at the group listed above, and only use the page which applies to the product you are submitting for review. Each one-page questionnaire shall be fully completed by bidder for each product offered.

1. Bidder: \_\_\_\_\_
2. Manufacturer: \_\_\_\_\_
3. Brand: \_\_\_\_\_
4. Product name and part number: \_\_\_\_\_  
\_\_\_\_\_
5. Using the table in NC Standard Specification #9150-1 (latest revision), Paragraph III, Classification, list the category for this product. For Motor Oil (1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 4.0, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, or 5.8): \_\_\_\_\_
6. For Category 2.1-2.6 only, is the oil formulated with Group III and/or Group IV base stock without inclusion of Group I and II base stock? \_\_\_\_\_ (yes/no)
7. For Category 3.1-3.6 only, is the oil formulated with Group IV base stock without inclusion of Group I, II, and III base stock? \_\_\_\_\_ (yes/no)
8. For Category 4 only, is the oil identified in the current Volvo Truck Corporation list of VDS-2 approved products? \_\_\_\_\_ (yes/no)
9. For Category 4 only, is the oil formulated with Group III and/or Group IV base stock without inclusion of Group I and II base stock? \_\_\_\_\_ (yes/no)
10. For Category 5.1-5.7 only, is the oil formulated from rerefined oil stock? \_\_\_\_\_ (yes/no)
11. Does manufacturer of this product offered above fully comply with NC Standard Specification #9150-1 (latest revision)? \_\_\_\_\_ (yes/no)
12. Does product submission include a technical data sheet and copy of the product label? \_\_\_\_\_ (yes/no)

QUESTIONNAIRE  
FOR  
MOTOR OILS, LUBRICANTS AND GREASES  
Group C: Hydraulic Oil

Vendors should make additional copies of this form as necessary. Please look at the group listed above, and only use the page which applies to the product you are submitting for review. Each one-page questionnaire shall be fully completed by bidder for each product offered.

1. Bidder: \_\_\_\_\_
2. Manufacturer: \_\_\_\_\_
3. Brand: \_\_\_\_\_
4. Product name and part number: \_\_\_\_\_  
\_\_\_\_\_
5. Using the table in NC Standard Specification #9150-1 (latest revision), Paragraph III, Classification, list the category for this product. For Hydraulic Oil (1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3, 4.1, 4.2, 4.3, or 4.4): \_\_\_\_\_
6. For Category 1.1, 1.2, and 1.3 only, does the product meet Vickers M-2950-S? \_\_\_\_\_ (yes/no)
7. For Category 1.1, 1.2, and 1.3 only, does the product meet Denison HF-0 and Vickers I286S? \_\_\_\_\_ (yes/no)
8. For Category 2 and 3 only, does the oil pass a nationally recognized test for biodegradability? \_\_\_\_\_ (yes/no)
9. For Category 4 only, does the product meet ISO 1158 HV Type? \_\_\_\_\_ (yes/no)
10. For Category 4 only, what is the minimum dielectric strength tested with ASTM D 877? \_\_\_\_\_ (kV)
11. Does manufacturer of this product offered above fully comply with NC Standard Specification #9150-1 (latest revision)? \_\_\_\_\_ (yes/no)
12. Does product submission include a technical data sheet and copy of the product label? \_\_\_\_\_ (yes/no)

QUESTIONNAIRE  
FOR  
MOTOR OILS, LUBRICANTS AND GREASES  
Group D: Gear Lubricant Oil

Vendors should make additional copies of this form as necessary. Please look at the group listed above, and only use the page which applies to the product you are submitting for review. Each one-page questionnaire shall be fully completed by bidder for each product offered.

1. Bidder: \_\_\_\_\_
2. Manufacturer: \_\_\_\_\_
3. Brand: \_\_\_\_\_
4. Product name and part number: \_\_\_\_\_  
\_\_\_\_\_
5. Using the table in NC Standard Specification #9150-1 (latest revision), Paragraph III, Classification, list the category for this product. For Gear Lubricant Oil (1.1, 1.2, 2.1, 2.2, 3.1, or 3.2): \_\_\_\_\_
6. For Category 1.1, 1.2, 2.1 and 2.2 only, does the oil meet SAE J2360 and Mack GO-J requirements? \_\_\_\_\_ (yes/no)
7. For Category 2.1 only, does the oil meet Mack GO-J Plus, SAE J2360 and Dana SHAES-256 requirements? \_\_\_\_\_ (yes/no)
8. For Category 2.2 only, does the oil meet Mack GO-J, SAE J2360 and Dana SHAES-429 requirements? \_\_\_\_\_ (yes/no)
9. For Category 3.1 and 3.2 only, does the oil meet ISO 12925-1 Type CKD, ANSI/AGMA 9005, and US Steel 224 requirements? \_\_\_\_\_ (yes/no)
10. Does manufacturer of this product offered above fully comply with NC Standard Specification #9150-1 (latest revision)? \_\_\_\_\_ (yes/no)
11. Does product submission include a technical data sheet and copy of the product label? \_\_\_\_\_ (yes/no)

QUESTIONNAIRE  
FOR  
MOTOR OILS, LUBRICANTS AND GREASES  
Group E: Drive Train Oil

Vendors should make additional copies of this form as necessary. Please look at the group listed above, and only use the page which applies to the product you are submitting for review. Each one-page questionnaire shall be fully completed by bidder for each product offered.

1. Bidder: \_\_\_\_\_
2. Manufacturer: \_\_\_\_\_
3. Brand: \_\_\_\_\_
4. Product name and part number: \_\_\_\_\_  
\_\_\_\_\_
5. Using the table in NC Standard Specification #9150-1 (latest revision), Paragraph III, Classification, list the category for this product. For Drive Train Oil (1.1, 1.2, 2.1, or 2.2): \_\_\_\_\_
6. Does the oil meet Caterpillar TO-4 requirements? \_\_\_\_\_ (yes/no)
7. Does manufacturer of this product offered above fully comply with NC Standard Specification #9150-1 (latest revision)? \_\_\_\_\_ (yes/no)
8. Does product submission include a technical data sheet and copy of the product label? \_\_\_\_\_ (yes/no)

QUESTIONNAIRE  
FOR  
MOTOR OILS, LUBRICANTS AND GREASES  
Group F: Heat Transfer Oil

Vendors should make additional copies of this form as necessary. Please look at the group listed above, and only use the page which applies to the product you are submitting for review. Each one-page questionnaire shall be fully completed by bidder for each product offered.

1. Bidder: \_\_\_\_\_
2. Manufacturer: \_\_\_\_\_
3. Brand: \_\_\_\_\_
4. Product name and part number: \_\_\_\_\_  
\_\_\_\_\_
5. Does manufacturer of this product offered above fully comply with NC Standard Specification #9150-1 (latest revision)? \_\_\_\_\_ (yes/no)
6. Does product submission include a technical data sheet and copy of the product label? \_\_\_\_\_ (yes/no)

QUESTIONNAIRE  
FOR  
MOTOR OILS, LUBRICANTS AND GREASES  
Group G: Transmission Fluid

Vendors should make additional copies of this form as necessary. Please look at the group listed above, and only use the page which applies to the product you are submitting for review. Each one-page questionnaire shall be fully completed by bidder for each product offered.

1. Bidder: \_\_\_\_\_
2. Manufacturer: \_\_\_\_\_
3. Brand: \_\_\_\_\_
4. Product name and part number: \_\_\_\_\_
5. Using the table in NC Standard Specification #9150-1 (latest revision), Paragraph III, Classification, list the category for this product. For Transmission Fluid (1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3 or 3.4): \_\_\_\_\_
6. For Category 1.1 and 3.1 only, does the oil meet the requirements of Dexron IV? \_\_\_\_\_ (yes/no)
7. For Category 1.2 and 3.2 only, does the oil meet the requirements of ATF+4 in the Chrysler MS-7176E specification? \_\_\_\_\_ (yes/no)
8. For Category 1.3 and 3.3 only, does the oil meet the requirements of Mercon V? \_\_\_\_\_ (yes/no)
9. For Category 1.4 only, does the oil meet the requirements for the Allison Transmission "Schedule One TES-389" specification? \_\_\_\_\_ (yes/no)
10. For Category 2.1 and 2.2 only, does the oil meet the requirements of John Deere J20D, Caterpillar TO-2, Case MS-1204 and MS-1210, Duetz-Allis PF821XL, Ford M2C134D and M2C48B, and Kubota UTD? \_\_\_\_\_ (yes/no)
11. For Category 2.3 only, does the oil pass a nationally recognized test for biodegradability? \_\_\_\_\_ (yes/no)  
If so, which test? \_\_\_\_\_
12. For Category 3.4 only, does the oil meet the requirements for the Allison Transmission Division TES-295 specification? \_\_\_\_\_ (yes/no)
13. Does manufacturer of this product offered above fully comply with NC Standard Specification #9150-1 (latest revision)? \_\_\_\_\_ (yes/no)
14. Does product submission include a technical data sheet and copy of the product label? \_\_\_\_\_ (yes/no)

QUESTIONNAIRE  
FOR  
MOTOR OILS, LUBRICANTS AND GREASES  
Group H: Greases

Vendors should make additional copies of this form as necessary. Please look at the group listed above, and only use the page which applies to the product you are submitting for review. Each one-page questionnaire shall be fully completed by bidder for each product offered.

1. Bidder: \_\_\_\_\_
2. Manufacturer: \_\_\_\_\_
3. Brand: \_\_\_\_\_
4. Product name and part number: \_\_\_\_\_  
\_\_\_\_\_
5. Using the table in NC Standard Specification #9150-1 (latest revision), Paragraph III, Classification, list the category for this product. For Grease (1, 2, 3, 4, or 5): \_\_\_\_\_
6. For Category 1 and 2 only, does product pass ASTM D4950 for LB chassis grease? \_\_\_\_\_ (yes/no)
7. For Category 1, 2, 3, and 4 only, does product pass ASTM D4950 for GC wheel bearing grease? \_\_\_\_\_ (yes/no)
8. For Category 5 only, what is the molybdenum disulphide content of the grease offered? \_\_\_\_\_ (%)
9. Does manufacturer of this product offered above fully comply with NC Standard Specification #9150-1 (latest revision)? \_\_\_\_\_ (yes/no)
10. Does product submission include a technical data sheet and copy of the product label? \_\_\_\_\_ (yes/no)