



# OIL REPORT

LAB NUMBER: S475934 UNIT ID: 21 X7-TC  
REPORT DATE: 10/13/2026 CLIENT ID:  
CODE: 44/1,193 PAYMENT:

|      |                    |                   |                   |                   |
|------|--------------------|-------------------|-------------------|-------------------|
| UNIT | EQUIP. MAKE/MODEL: | Transfer Case BMW | OIL TYPE & GRADE: | Transfer Case Oil |
|      | FUEL TYPE:         |                   | OIL USE INTERVAL: | 42,000 Miles      |
|      | ADDITIONAL INFO:   |                   |                   |                   |

|        |            |
|--------|------------|
| CLIENT | PHONE      |
|        | FAX:       |
|        | ALT PHONE: |
|        | EMAIL:     |

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COMMENTS | BRAD: Iron was a bit high in your sample. That could be because some excess steel wear took place, but seeing as this sample is from the first oil change since new, it's more likely iron is just a bit high due to a combination of break-in and normal accumulation over the interval. And if so, we should see it improve next time. The rest of the wear metals landed within good ranges of the universal averages for a BMW transfer case, which are based on about 50,800-mile intervals. No contamination was found. Look okay, all considered. Just follow up on iron next service. |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                               |                   |           |                                |  |  |  |  |  |  |     |
|-------------------------------|-------------------|-----------|--------------------------------|--|--|--|--|--|--|-----|
| ELEMENTS IN PARTS PER MILLION | MI/HR on Oil      | 42,000    | UNIT /<br>LOCATION<br>AVERAGES |  |  |  |  |  |  |     |
|                               | MI/HR on Unit     | 42,000    |                                |  |  |  |  |  |  |     |
|                               | Sample Date       | 9/15/2026 |                                |  |  |  |  |  |  |     |
|                               | Make Up Oil Added |           |                                |  |  |  |  |  |  |     |
|                               | ALUMINIUM         | 56        | 56                             |  |  |  |  |  |  | 50  |
|                               | CHROMIUM          | 1         | 1                              |  |  |  |  |  |  | 1   |
|                               | IRON              | 667       | 667                            |  |  |  |  |  |  | 353 |
|                               | COPPER            | 54        | 54                             |  |  |  |  |  |  | 31  |
|                               | LEAD              | 0         | 0                              |  |  |  |  |  |  | 1   |
|                               | TIN               | 3         | 3                              |  |  |  |  |  |  | 1   |
|                               | MOLYBDENUM        | 2         | 2                              |  |  |  |  |  |  | 1   |
|                               | NICKEL            | 2         | 2                              |  |  |  |  |  |  | 5   |
|                               | MANGANESE         | 46        | 46                             |  |  |  |  |  |  | 75  |
|                               | SILVER            | 0         | 0                              |  |  |  |  |  |  | 0   |
|                               | TITANIUM          | 0         | 0                              |  |  |  |  |  |  | 0   |
|                               | POTASSIUM         | 7         | 7                              |  |  |  |  |  |  | 8   |
|                               | BORON             | 91        | 91                             |  |  |  |  |  |  | 97  |
|                               | SILICON           | 93        | 93                             |  |  |  |  |  |  | 80  |
|                               | SODIUM            | 19        | 19                             |  |  |  |  |  |  | 16  |
|                               | CALCIUM           | 574       | 574                            |  |  |  |  |  |  | 486 |
|                               | MAGNESIUM         | 109       | 109                            |  |  |  |  |  |  | 108 |
|                               | PHOSPHORUS        | 375       | 375                            |  |  |  |  |  |  | 379 |
|                               | ZINC              | 8         | 8                              |  |  |  |  |  |  | 26  |
|                               | BARIUM            | 14        | 14                             |  |  |  |  |  |  | 11  |

Values  
Should Be\*

|            |                       |      |      |  |  |  |  |
|------------|-----------------------|------|------|--|--|--|--|
| PROPERTIES | SUS Viscosity @ 210°F | 43.4 |      |  |  |  |  |
|            | cSt Viscosity @ 100°C | 5.22 |      |  |  |  |  |
|            | Flashpoint in °F      | 440  | >335 |  |  |  |  |
|            | Fuel %                | -    |      |  |  |  |  |
|            | Antifreeze %          | -    |      |  |  |  |  |
|            | Water %               | 0.0  | 0.0  |  |  |  |  |
|            | Insolubles %          | 0.1  | <0.3 |  |  |  |  |
|            | TBN                   |      |      |  |  |  |  |
|            | TAN                   |      |      |  |  |  |  |
|            | ISO Code              |      |      |  |  |  |  |
|            |                       |      |      |  |  |  |  |

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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