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## FASCINATING FACTS ABOUT ...



# GEAR OIL



### THE PURPOSE OF OIL

Oil serves three purposes: cooling, cleaning, and lubrication. That's why oil contaminated with things like dirt, sand, and metal shavings can be so damaging to your final drive.



### GEAR OIL VS HYDRAULIC

Gear oil, also referred to as gear lube, is much more viscous than hydraulic fluid. If your final drive is leaking a thick oil, that would indicate gear oil. If the fluid is thin, then you need to check the hydraulics.



### SULFUR?

Your gear oil probably has a sulfur smell to it, which is actually a normal thing. Sulfur compounds are used as high-pressure lubricants for gears.



### BURNT OR BLACK OIL

This could mean that it has been too long between oil changes. It can also indicate that drive has been running at high speeds for extended periods of time.



### MAINTENANCE

The gear oil should be checked about every 100 hours of operation or once a month, and should be changed at least once a year.



### COST OF REPAIRS

Think about this: the life of your final drive is proportional to how often you change out the oil! That means a simple maintenance step could save you thousands of dollars in costly, time-consuming repairs.



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