

CVT无极变速箱油

●性能概述

迈斯拓CVT级变速箱油是专为无级变速箱设计的特种润滑油，针对其钢带（或链条）与锥轮组的高精度传动结构，提供精准润滑与动力保护，核心性能包括：
高效抗磨损保护：在钢带与锥轮的高压接触面形成强韧油膜，减少金属间微滑移磨损，延长传动组件寿命。
精准摩擦控制：优化钢带与锥轮间摩擦系数，确保动力传递平顺无顿挫，避免打滑或异常振动。
卓越散热性能：快速导出钢带高速摩擦产生的热量，防止油液高温氧化导致的黏度衰减或油泥生成。
温域黏度稳定性：保持稳定流动性，兼顾低温冷启动保护与高温润滑需求。
液压系统适配性：保障电控阀体、油泵及液压缸的高效响应，精准调节锥轮夹紧力与传动比。

●产品特点

01

全合成低粘度技术：采用IV类PAO全合成基础油，搭配高精度粘度指数改进剂，实现超低粘度（0W-16等级）与高油膜强度的平衡，降低动力损耗达15%，提升燃油经济性。

03

高温抗氧化配方：通过1500小时高温耐久测试，抗氧化性能提升60%，抑制油液老化，推荐换油周期延长至8万-10万公里。

05

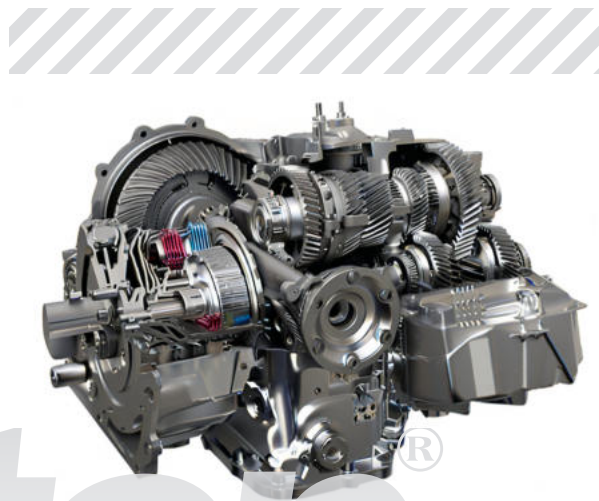
环保节能认证：无灰分配方兼容GPF/DPF后处理系统，满足国六及欧VII排放标准，助力低碳驾驶。

02

纳米级抗磨添加剂：添加含硼、钼元素的纳米抗磨剂，在钢带表面形成自修复保护层，降低磨损率超50%，延长变速箱使用寿命。

04

全兼容性设计：符合主流主机厂标准（如JASCO 1LV、Nissan NS-3、Toyota CVTF FE等），适配日系、欧系及国产CVT变速箱（如奥迪Multitronic、日产XTRONIC）。



●应用场景

- 1.家用经济车型：适配搭载CVT的紧凑型轿车、SUV（如本田、丰田、日产），优化城市拥堵路况下的平顺性与燃油效率。
- 2.混合动力车型：兼容油电混动（HEV）及插电混动（PHEV）的CVT系统，应对电机与发动机协同工作的扭矩波动。
- 3.高温高负荷场景：长距离爬坡、拖挂行驶时维持油液稳定性，防止过热导致的动力衰减。
- 4.极寒地区：-35°C低温下快速流动，减少冷启动磨损，避免传动延迟。
- 5.多尘潮湿环境：密封保护变速箱内部，防止沙尘与水汽侵入导致油液乳化。
- 6.新能源与智能驾驶：适配智能CVT系统（如线控换挡、AI动力分配），确保电控单元与液压系统的高效协同。支持自动驾驶模式下的频繁微小传动比调整，保障动力输出线性平顺。
- 7.商用车与特种车辆：轻型商用车（如城市物流车）的CVT变速箱，应对频繁启停与载重变化。全地形车（ATV）、雪地车等特种车辆的高扭矩冲击工况。

●执行标准

企业标准Q/59207764-1.22-2017

CVT无极变速箱油性能指标

项目	质量指标				试验方法
型号	CVTF-1	CVTF-2	CVTF-3	CVTF-4	
外观	清澈, 光亮				目测
运动黏度 (100℃), mm ² /s	6.00~8.00				GB/T 265
布氏黏度 (-40℃), mm ² /s 不高于	30000		25000	20000	GB/T 11145
闪点 (开口), °C 不低于	190		200		GB/T 3536
倾点, °C 不高于	-30	-35	-40	-45	SH/T 0030
腐蚀试验铜片 (150℃, 3h), 级不大于	2a				GB/T 5096
液相锈蚀试验 (蒸馏水)	无锈				GB/T 11143
蒸发损失诺亚克法(200℃, 1h), %(质量分数)不大于	10				NB/SH/T 0059
混溶性	无浑浊、沉淀分层或变色				SH/T 0801
起泡性 (泡沫倾向), ml	30/0 50/0 30/0				GB/T 12579
24℃ 不大于					
93.5℃ 不大于					
后24℃ 不大于					
氧化安定性	20 2.0 无漆膜				JIS K2514
40℃运动粘度变化率, % 不大于					
酸值增加值, mg (KOH) /g 不大于					
铜, 钢片外观					

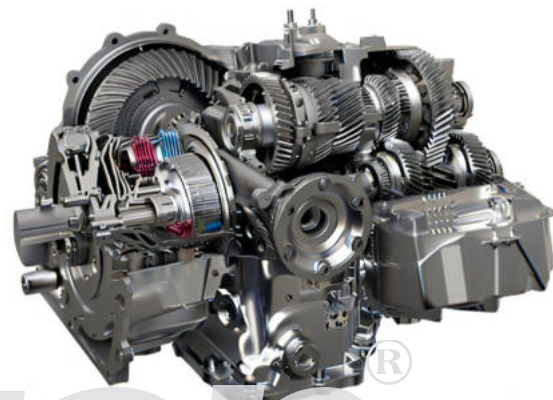


CVT stepless transmission oil

● Performance Overview

MaxTop CVT transmission fluid is a special lubricant designed specifically for continuously variable transmissions. It provides precise lubrication and power protection for the high-precision transmission structure of the steel belt (or chain) and the cone pulley set. Its core performance includes:

- Efficient anti-wear protection: A strong oil film is formed on the high-pressure contact surface between the steel belt and the cone pulley to reduce the micro-slip wear between metals and extend the service life of the transmission components.



● Features

01

It has excellent friction improvement performance and outstanding shear stability

02

Maintains stable friction characteristics

03

Reduces the operating resistance of the transmission system

04

Ensures smooth speed shifting of the vehicle under various harsh environments

05

Significantly improves the effectiveness of oil changes

06

Comprehensively protects the transmission, and ensures efficient power output

● Application Scenario

1: Family economy models: Suitable for compact cars and SUVs equipped with CVT (e.g., Honda, Toyota, Nissan).
2: Hybrid models: Compatible with CVT systems of hybrid electric vehicles (HEV) and plug-in hybrid electric vehicles (PHEV).
3: New energy and intelligent driving: Suitable for intelligent CVT systems (e.g., shift-by-wire, AI power distribution).
4: Commercial vehicles and special vehicles: CVT transmissions for light-duty commercial vehicles (e.g., urban logistics vehicles) to handle frequent starts and stops and load changes. High-torque impact conditions for special vehicles such as all-terrain vehicles (ATV) and snowmobiles.

CVT stepless transmission oil performance indicators

Project	Quality indicators			
Model number	CVTF-1	CVTF-2	CVTF-3	CVTF-4
appearance	Clear and bright			
Kinematic viscosity (100°C), mm ² /s	6.00~8.00			
Brinell viscosity (-40°C), mm ² /s is not higher than	30000		25000	20000
Flash point (opening), °C is not lower than	190		200	
Pour point, °C is not higher than	-30	-35	-40	-45
Corrosion test copper sheet (150°C, 3h), grade not greater than	2a			
Liquid phase corrosion test	rustless			
Evaporation loss by Noach method (200°C, 1h), %(mass fraction) is not greater than	10			
miscibility	No turbidity, precipitation stratification or discoloration			
Foamability (tendency to foam), ml 24°C is not greater than 93.5°C is not greater than After 24°C is not greater than	30/0 50/0 30/0			
Oxidation stability 40°C kinematic viscosity change rate, % is not greater than Acid value added value, mg (KOH) /g is not greater than Copper, steel sheet appearance	20 2.0 No paint film			