



Andhra Pradesh State Road Transport Corporation
Office of the VC & MD, Bus Bhavan, Hyderabad-624

No: OP4/760(Oils)/2008-MED,

CIRCULAR NO: 23/2008-MED, Dt.29-09-2008

Sub : **LUBRICANTS** - Introduction of new generation Lubricating oils for Tata & Ashok Leyland vehicles with extended periodicity - Certain instructions issued - Reg.

- Ref : 1. TATA Service Circular No. SC/2007/26, August - 2007
2. TATA Service Circular No.SC/2007/41, Nov - 2007
3. Area Service Manager, TML Lr.No. Hyd/Ser/30/08-09, dt.31.12.07
4. This office letter No.OP2/760(1)/2006-MED, dt.17.08.07

M/s Tata Motors Ltd and M/s Ashok Leyland Ltd have introduced new Generation Lubricant oils with extended drain periodicities for Engine, Gear Box and Differential. Based on the recommendations of the vehicle manufacturers the following Lubricating oils have been standardized for use at our depots.

TATA Vehicles :

1.1 CH4 Multigrade Engine Oil for CMVR & BS-II vehicles:

M/s Tata Motors Ltd have introduced new **multigrade Engine oil SAE 15W40 - API CH4 grade** with a **drain interval** of **36,000 kms** for the vehicles manufactured from Sep'07 onwards. Further, it is also communicated through their Service Circular that this oil can also be used for all Tata vehicles produced before Sep'07 provided only genuine Tata Engine oil filter is used.

In view of many advantages like higher engine oil drain period, Better wear resistance characteristics of valve train, piston rings/ liners etc, higher sustenance to oxidation, better soot dispensing capability and capability of good performance for longer period in severe conditions, it is decided to **standardize use of SAE 15W40 - API CH4 MB 228.3 grade** oil with a **drain interval at 36,000 kms for all Tata CMVR & Tata BS-II** vehicles by using the OE engine oil filter.

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1.2 Extra Long Life Gear Oil for GBS40 Gear Boxes:

Based on the recommendations of M/s Tata Motors Ltd, it is decided to use the **Gear oil of SAE 80W90 API GL4 grade with special additive confining to the following brands only** . The change periodicity of this oil is **72,000 kms** for all Synchronesh Gear boxes of Tata vehicles.

Application	Brand approved
<u>GBS 40 Gear box</u> SAE 80W90 API GL4 with special additive	<ol style="list-style-type: none">1. MAK Tata Motors SPIROL LL 80W90 of M/s BPCL2. Castrol Extra Long Life Gear oil 80W90 of M/s Castrol3. Servo Synchro TM of M/s IOCL

1.3 Extra Long Life Differential Oil for all Rear Axles :

It is decided to use the Gear oil of **SAE 85W140 API GL5 grade with special additive confining to the following brands only**. The change periodicity of this oil is **72,000 kms** for all Rear Axles of Tata vehicles.

Application	Brand approved
<u>Rear Axles</u> SAE 85W140 API GL5 with special additive	<ol style="list-style-type: none">1. MAK Tata Motors SPIROL LL 85W140 of M/s BPCL2. Castrol Extra Long Life Rear Axle 85W140 of M/s Castrol3. Servo Gear Axle TM of M/s IOCL

ASHOK LEYLAND Vehicles :

2.1 CH4 Multigrade Engine Oil for BS-II vehicles :

Instructions have already been issued to use **CH4 grade SAE 15W40 MB 228.3** Engine oil for Ashok Leyland **BS-II vehicles** which are **fitted with the modified Engine oil filter bowl and element**. The Engine oil along with oil filter has to be changed on these vehicles at every **36,000 kms** for mofussil operation and at **24,000 kms** for **City operations**.

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2.2 Long Life Gear Oil for Hypoid Type Rear Axles :

Recently M/s Ashok Leyland Ltd have introduced **Hypoid type Differential gears** on all 12 mtr buses with RS-145 Rear Axles and BS-II vehicles with 60 SHO Rear Axles (5.57:1 Axle ratio). The recommended gear oil for these Rear axles is **SAE 85W140 API GL5 with special additive** and its change periodicity is **48,000 kms**. A decision has already been taken to use the long life oil with 48,000 kms change interval for Ashok Leyland Rear axles fitted with Hypoid Gears.

2.3 Gear Oil for Leyland ZF Synchronesh Gear Boxes:

For ZF Synchronesh Gear Boxes of Ashok Leyland vehicles, **SAE-90, API GL4 with special additive** shall be used with change periodicity of **40,000 kms**.

The Depot Managers and Maintenance incharges of are therefore advised to ensure that the engine oil changes along with oil filter are carried out at prescribed intervals duly using the correct grade engine oil.

For Tata CMVR & BS-II vehicles care shall be taken to use **only TATA genuine engine oil filters** while using the CH4 grade Engine oil with 36,000 kms change periodicity.

The Controllers of Stores of Tata area Zones are advised to supply adequate quantity of Tata Genuine Engine oil Filters for all CMVR & BS-II vehicles to the Depots so that the CH4 multigrade engine oil is used with extended drain interval of 36,000 kms.

Utmost **care shall be taken** in this regard **to avoid mixing of different grades** of oils either during top up or at the time of oil change.


EXECUTIVE DIRECTOR (E&IT)

To
All Depot Managers.

Copy to : VC & MD for kind information
Copy to : All EDs, FA, CAO & Director (V&S) for information
Copy to : CE(IT) with an advice to make suitable modifications in the VEMAS module incorporating the above changes and communicate to Depots.
Copy to : All HODs & All Regional Managers for necessary action.
Copy to : All Dy.CMEs for necessary action
Copy to : All WMs & COS' for necessary action
Copy to : All Principals, ZSTCs & Director, TA/HPT for information
Copy to : All Maintenance incharges for necessary action
Copy to : Manuals section for record.