



For total industrial lubricant solutions



Transmission Oil

TRANSVEL C-4 SAE 30

Grade: TES 228

Product Data Sheet

Product Description : TRANSVEL C-4 SAE 30 Oil is blended using highly refined virgin base stocks with special additives to impart high oxidation stability, anti-wear, anti-rust, anti-foam and the desired frictional characteristics in service. It is compatible with the seal material used in hydraulic transmissions systems. TRANSVEL C-4 SAE 30 is hydraulic transmission to meet General Motors Detroit Diesel ALLISON type C-4 specifications.

Application : TRANSVEL C-4 SAE 30 oil is recommended for commercial power transmissions, industrial torque converters and automatic transmissions manufactured by AVTEC Ltd.,Hosur,erstwhile power products division of Hindustan Motors Ltd,under License from General Motors USA.Such hauling and cycling transmissions are fitted on a wide variety of Allison heavy duty automatic Transmissions fitted to On-highway and off-highway equipments e.g.Dumpers,scrappers,Shovel loaders,Excavators,Crawler-Tractors,etc.,used in Mines, cement quarries and Dam construction sites etc.

BENEFITS:

- Smooth operation of precision hydraulic control systems.
- Smoother engagement / disengagement of clutch, because of desired friction properties to provide a “soft shift feel”.
- Provides Protection against wear, rust and corrosion.
- Provide excellent seal life.

PERFORMANCE LEVEL: TES-228 for Hhydraulic transmission fluid type C-4 of Detroit Diesel ALLISON Division of General

Typical Properties

Characteristics	Test Method	Specification
Colour	Visual	Red
K.Viscosity @100 °C	IS 1448 P: 25	9.3-12.5
Viscosity Index, Min.	IS 1448 P: 56	90
Flash Point ,°C,Min.	IS 1448 P: 69	160
Pour Point,°C, Max.	IS 1448 P: 10	(-)18

These are typical figures and do not constitute a specification. In pursuit of continuous improvement, these figures may be changed without notice at the sole discretion of Nandan Petrochem Ltd.

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Transmission OIL

TRANSVEL SAE 10 W

API CD, MIL-L-45199B, IS: 13656-2002 E-DL2, Caterpillar Series 3

Product Data Sheet

Product Description : TRANSVEL SAE 10W is formulated with highly refined base oils combined with ash less dispersant, metallo-organic detergent and effective corrosion and oxidation inhibitor to meet the performance standards.

Application: TRANSVEL SAE 10W oil is recommended for all classes of supercharged diesel engines of high speed output such as Heavy Duty Diesel Vehicles / Tractors, Earthmoving/off Highway equipments, Transmission systems of caterpillar Equipment and large generating sets.

TRANSVEL SAE 10W meets the requirements of Hydraulic fluid type C2 specification of Detroit Diesel Allison, Division of General Motors Corporation, USA.

BENEFITS

- Minimizes deposits & wear
- Prevent Rust and Corrosion
- Maintain excellent engine cleanliness
- Minimize deposits resulting from high output, low speed, and low temperature operations.
- Excellent control of cold sludge and corrosive wear
- Possess excellent oxidation stability to ensure long service life especially in Transmission systems.

PERFORMANCE LEVEL: API CD, US MIL-L-45199B, IS: 13656-2002 E-DL2, Caterpillar Series 3

Typical Properties

Characteristics	Test Method	Specification
K.Viscosity @100 °C, cSt	IS 1448 P: 25	5.6
Viscosity Index, Min.	IS 1448 P: 56	100
Flash Point, °C, Min.	IS 1448 P: 69	200
Pour Point, °C, Max.	IS 1448 P: 10	(-)27
TBN mg KOH/gm, Min.	IS 1448 P:86	8.0
Sulphated Ash, mass % Max.	IS 1448 P:4	1.50

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Velvex Trans-Gear EP 80W90

DESCRIPTION

Velvex Trans-Gear EP 80W90 is hypoid Gear Oil formulated to give good oxidation stability for long service life. This oil contains Extreme Pressure (EP) additives to withstand high temperature and pressure encountered during power transmission. In addition, it also contains Pour Point Depressant to prevent the lubricant from channeling at low temperature. These are manufactured from selected high quality Base Oils.

APPLICATION

Velvex Trans-Gear EP 80W90 is all season, Extreme Pressure Gear Oils for hypoid gears operating under high speed, high torque conditions.

It is ideal for manual transmissions, rear axle, automotive hypoid gear units and fluid lubricated universal joints and are recommended for Maruti, Premier, HM, Ashok Leyland, Tata Motors, Eicher, M&M, TAFE, Swaraj, Mahindra, Escorts, etc.

BENEFITS

- Maximizes equipment life by resisting gear wear and scuffing
- Long service life by resisting oxidation and oil thickening
- Protection against corrosion of ferrous and non-ferrous components
- Prevents loss of lubricant from foaming

PERFORMANCE LEVEL

API GL-4, MIL-L-2105, IS 1118:92 EP Type GL-4

TYPICAL PROPERTIES

Sr No.	Parameters	Velvex Trans-Gear EP 80W90
1	Appearance	Clear and Bright
2	Kinematic Viscosity@100°C,cSt	13.0-15.0
3	Viscosity Index ,Min.	90
4	Flash Point, COC,°C,Min.	165
5	Copper Corrosion @121°C For 1 Hrs	2 Max.

These are typical figures and do not constitute a specification .In pursuit of continuous improvement, these figures may be changed without notice at the sole discretion of Nandan Petrochem Ltd. Rev 01-01/04/2015



Velvex Trans-Gear EP 90

DESCRIPTION

Velvex Trans-Gear EP 90 is hypoid Gear Oil formulated to give good oxidation stability for long service life. It contains Extreme Pressure (EP) additives to withstand high temperature and pressure encountered during power transmission. In addition, it also contains Pour Point Depressant to prevent the lubricant from channeling at low temperature. It is manufactured from selected high quality Base Oils.

APPLICATION

Velvex Trans-Gear EP 90 is all season, Extreme Pressure Gear Oil for hypoid gears operating under high speed, high torque conditions.

It is ideal for manual transmissions, rear axle, automotive hypoid gear units and fluid lubricated universal joints of vehicles manufactured by Maruti, Premier, HM, Ashok Leyland, Tata Motors, Eicher, M&M, TAFE, Swaraj, Mahindra, Escorts, etc.

BENEFITS

- Maximizes equipment life by resisting gear wear and scuffing
- Long service life by resisting oxidation and oil thickening
- Protection against corrosion of ferrous and non-ferrous components
- Prevents loss of lubricant from foaming

PERFORMANCE LEVEL

API GL-4, MIL-L-2105, IS 1118:92 EP Type GL-4

TYPICAL PROPERTIES

Sr No.	Parameters	Velvex Trans-Gear EP 90
1	Appearance	Clear and Bright
2	Kinematic Viscosity@100°C,cSt	16 – 18
3	Viscosity Index ,Min.	90
4	Flash Point, COC,°C,Min.	180
5	Copper Corrosion @100°C For 1 Hrs	Max 2

These are typical figures and do not constitute a specification .In pursuit of continuous improvement, these figures may be changed without notice at the sole discretion of Nandan Petrochem Ltd. Rev 01-01/04/2015