



LAIJUTSU SHL- I243,I244,I245,I246

Product Description:

LAIJUTSU Hydraulic Oil HT- 4 is the Transmission & Drive Train oil (TDTO). It was specially designed for hydraulic and hydrostatic systems. The oils have passed the requirements for the Caterpillar TO-4 oil specification that may not only include the frictional requirements, but also gear wear requirements.

LAIJUTSU Hydraulic Oil HT- 4 oils offer maximum protection against mechanical wear, rusting and corrosive wear in all hydraulic and hydrostatic transmission systems. The additives used provide excellent friction control, less brake noise and reduce gear wear. Hence the products can prolong the life of brakes, transmissions as well as hydraulic systems.

Applications / Benefits:

Prevents wear
Friction control
Good oxidation stability

Specifications, Approvals & Recommendations

Allison C-4
Caterpillar TO-4
Dana Powershift
Eaton Vickers 35VQ-25
Eaton-Fuller
Komatsu Dresser
Komatsu KES 07.868.1
Tremec/TTC
ZF TE-ML 03C
ZF TE-ML 07F

Typical Physical Characteristics

Test Description	Method	SHL-I243	SHL-I244	SHL-I245	SHL-I246
SAE Viscosity Grade	SAE J 300	10W30	10W	30	50
Specific Gravity @ 15 °C	ASTM D 4052	0.879	0.873	0.883	0.890
Flash Point, °C	ASTM D 92	214	212	236	260
Pour Point, °C	ASTM D 97	-30	-30	-15	-12
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	71.50	35.90	99.40	184.00
cSt @ 100°C	ASTM D 445	10.80	5.88	11.30	17.80
Viscosity Index	ASTM D 2270	140	106	100	105
Color	ASTM D 1500	2	2	2	3

Health, Safety & Environment

Health and Safety

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from your Shinloub representative.

Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.