

**TECHNICAL DESCRIPTION OF
MOL TRUCK TYPE HF6566
OILFIELD PLATFORM TRUCK
WITH 14.00R24 TWIN MOUNTED TYRES**

DRIVE	6 x 6
DIMENSIONS	See drawing no. T0499
ENGINE	Cummins Turbocharged aftercooled. X15 E3 550 6 cylinders in line. Bore/stroke : 137/169 mm. Displacement : 15.000 cc Max. output : 410 kW (550 Hp)/ 2.000 rpm (SAE) Max. torque : 2508 Nm / 1.100 – 1.600 rpm (SAE) Jake brake Emission standard : Euro 6
FUEL SYSTEM	Extra fuel filter / water separator incorporated in the fuel system
LUBE OIL SYSTEM	Centrifugal filter installed in bypass on the engine lube oil system
INLET SYSTEM	Two stage, dry type air filter with security element and dirt indicator with control lamp on the dashboard
COOLING SYSTEM	Tropical cooling system
EXHAUST SYSTEM	Exhaust silencer, outlet vertical; raincap.
CLUTCH	Torque convertor Allison

HEAT EXCHANGER	Water to oil heat exchanger with high capacity to cool transmission oil
GEARBOX	Allison 4700 series Fully automatic transmission. 6-speeds forward and 1 reverse <ul style="list-style-type: none">❖ Forward ratios: 7,63 - 3,51 - 1,91 - 1,43 - 1,00 - 0,74❖ Reverse ratio: 4,80 Power take off for hydraulic winch drive
TRANSFERBOX	ZF-Steyr, type VG2700, 2 speeds : 0,91/1 and 1,41/1 Permanent all-wheel drive, lockable differential.
FRONT AXLE	Kessler - drive steer axle. Double reduction, ratio 10,92 Capacity : 13.000 kg. (<i>29.000 lbs</i>) With lockable interwheel differential.
REAR AXLES	Kessler - rigid drive axle. Double reduction, ratio 10,92 Capacity : 26.000 kg/axle = 52.000 kg/tandem (<i>115.000 lbs</i>) With lockable interaxle and interwheel differentials.
PROPELLER SHAFTS	Needle roller bearings Universally jointed.
SUSPENSION	<u>Front</u> 2 semi-elliptic leaf springs, slipper type 2 hydraulic shock absorbers <u>Rear</u> Walking beam suspension

STEERING

Hydraulic power steering gear
Two auxiliary steering rams on the front axle
Left hand drive.
Main steering pump driven by the engine and auxiliary steering pump driven by the driveline

BRAKE SYSTEM

Air compressor: 37,4 CFM (1.060 l/min)
(high capacity for STIS air supply requirements)

Drum brakes
Air dryer on air production system.

Service brakes (pure air)

Brake system equipped with air dryer.
2 separate circuits.

Parking and emergency brakes

by means of spring loaded brake chambers acting on both rear axles, operating automatically in case of failure of air pressure

Brake and connections at headache rack and at skidplate for trailer.

ELECTRICAL SYSTEM

24 Volt starting and lighting system.
Alternator 105 Amp
Batteries: 2x12VDC/210Ah
Mechanical battery switch.
Starter: 24V/6,6kW
Electrical connection at headache rack for trailer.

LIGHTS

- ❖ 2 headlamps with guards
- ❖ 2 roof mounted marker lights
- ❖ Fender mounted, front turn signals with guards
- ❖ Rear combination type stop/tail/turn/back-up lights recessed in rear skirt
- ❖ 2 revolving beacon lights on cabin roof

CAB

Renault cabin with engine bonnet in the front.

Exterior

- ❖ Day cab (1,6 m) in galvanised steel protected by an extensive cathaphoretic paint treatment.
- ❖ Engine bonnet in fibreglass.
- ❖ Rear cab window.
- ❖ Tinted and laminated windscreen and windows.
- ❖ Four point mechanical cab suspension.
- ❖ Full sound and thermal insulation.
- ❖ Manually operated roof hatch.
- ❖ 2 rear view mirrors, manually adjustable, installed on wide-load width brackets
- ❖ Kerb view mirror on RH of the cabin
- ❖ Manual door locks.
- ❖ 2 standard doors, opens 90° for easy access
- ❖ Two speed windscreen wipers with incorporated washers and intermittent wipe.
- ❖ Exterior translucent sunvisor
- ❖ Grab handles on LH and RH of the cabin to assist safe entry and exit.

Interior

- ❖ Air suspended driver's seat, short travel, with integral seat belt and head restraint.
- ❖ Mechanically adjustable passenger's seat, short travel, with integral seat belt and head restraint.
- ❖ Heating system/air conditioning for both extreme cold and warm temperatures.
- ❖ Windshield defroster
- ❖ De luxe cab trim.
- ❖ Storage compartments all around
- ❖ Manually operated door windows.
- ❖ Steering wheel with air controlled height and rake adjustment.
- ❖ Engine stop by ignition key, anti-theft device plus steering lock.
- ❖ Self cancelling indicator stalk.
- ❖ Radio/CD player

DASHBOARD

All metric gauges.

- ❖ Engine hours counter
- ❖ Two air pressure gauges
- ❖ Engine rev. gauge
- ❖ Engine coolant temperature gauge
- ❖ Speedometer in km/h
- ❖ Fuel level gauge
- ❖ Volt meter
- ❖ Dirty air filter indication lamp
- ❖ Low air pressure warning light
- ❖ Parking brake warning light
- ❖ Engine high coolant temperature warning light
- ❖ Engine low oil pressure warning light
- ❖ High beam indicator light
- ❖ Direction indication light
- ❖ Battery charging warning light
- ❖ Engine oil pressure gauge
- ❖ Transmission oil temperature gauge
- ❖ 12/24VDC socket

SAFETY DEVICES

- ❖ Neutral start.
- ❖ Reverse alarm
- ❖ Automatic shut-off when engine oil pressure is too low or engine water temperature too high.

CHASSIS

Main frame rails full length frame insert (channel form)

- Dimensions outer rail: 380x100x10mm
- Dimensions inner rail: 360x90x10mm

Riveted crossmembers

Steel grade: heat treated steel with a minimum yield strength of 700 MPa

Extra heavy duty steel front bumper with high profile radiator guard and centre mounted steel tow pin.

Note:

The subframe of the oilfield platform contributes to the total strength of the truck

SUPERSTRUCTURE

a) Platform

Length : 6.550 mm

- ❖ Clear loading deck behind winch, without spare wheel
- ❖ Other dimensions possible on request

Width : 3.000 mm. overall

H.D. subframe is mounted onto the truck chassis

Platform equipped with :

- ❖ Six (06) eyes on each side of platform to secure the load
- ❖ One sleeve position for king-pin in rear tandem centreline

Floor :

- ❖ Tropical wooden floor, thickness 60 mm, on front of deck and flat steel plate, thickness 8 mm, on rear second third.
- ❖ 2 H.D. guy line eyes on both sides behind winch

b) Winch

BRADEN / TULSA hydraulic driven winch.

Cap. 45.000 kg (100.000 lbs) (SAE) on first layer

cable 50 m (200 inch), diam. 32 mm (1 ¼ inch) with tail chain and hook.

Winch controls :

- ❖ 1 x inside the cabin
- ❖ 1 x close to the winch
- ❖ 1 x outside the cabin, place to be agreed

c) Headache rack

Reverse type with cable guide rollers

Built from HD tubing

Luggage rack on top

2 spotlights to light loading deck

d) Tail roller

Full width roller mounted on double row bearings.

Removable end caps.

5 pair of overload roller

Diameter of roller : 240 mm

The rear end of the roller extends ± 20 mm. from the most rear part of the skid plate

e) Skidplate

Full width rear skirt of 20 mm. thick plate extending to Centreline of tires.

Openings to attach load binders

Heavy duty pin type towing hook with wide opening incorporated in the skidplate

f) Socket

Socket for corner pulley, one on each side of the rear of the body platform + one detachable corner pulley

CHASSIS EQUIPMENT

- ❖ Two fuel tanks, capacity 1000 lit. (264 US Gallons) each
- ❖ One water tank capacity 200 lit. (53 US Gallons) drinking (stainless steel)
- ❖ Toolbox along chassis with lock.
WxHxL: 500x500x1000 mm
- ❖ Steel battery box
- ❖ Steel fenders above front wheels
- ❖ Extended steps with flexible brackets for cabin access
LH and RH
- ❖ Protection shield rear window
- ❖ Safety horn on reverse
- ❖ Spare wheel carrier with hand winch to lift and lower the spare wheel besides the headache rack
- ❖ Electrical (1) and pneumatic (1) horn

ACCESSORIES

- ❖ Toolkit for driver including, torch (led), grease gun, hammer,
- ❖ Wrenches and spanner set
- ❖ Tire inflation hose (20m) with gauge.
- ❖ One fire extinguisher 6 kg.
- ❖ Hydraulic jack cap. 40 ton.
- ❖ First aid kit

WEIGHTS

Empty vehicle weight : \pm 24.500 kg.
Gross axle weight rating (GAWR): 65.000 kg
Payload : 40.000 kg

WHEELS

11 heavy duty steel rims and flotation tyres supplied :
❖ 10 rims and tyres 14.00R24 (single mounted in the front and twin mounted at the rear)
❖ 1 spare wheel (supplied loose)

Identical wheels for front and rear axles.

PERFORMANCES

Max. speed : \pm 60 km/h

PAINTING

- ❖ Two-pack, transparent, self etching washprimer with superior corrosion resistance on warmrolled raw materials after steelblasting.
- ❖ High build two pack epoxy-acrylic primer/surfacer with high protection against corrosion.
- ❖ High build two-pack acrylic lacquer with outstanding weather resistance.
- ❖ Colour according customers demand, one tone.

We reserve the right to make changes as a result of the continuous development of our products





