



TS-SINOTAI

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OILFIELD SPECIAL VEHICLE



SINOTAI
PETROLEUM EQUIPMENT CO., LTD

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KEEP MOVING
NEVER STOP



TS-SINOTAI IS A JOINT VENTURE COMPANY OF THPETRO AND SINOTAI.

Tonghua Petro-Chemical Machinery Manufacture Co. Ltd (hereinafter referred to as THpetro) is a trusted global supplier of oil field equipment and services with glorious history. Established in 1958, THpetro was honored as the earliest oilfield manufacturer in China. In 1965, THpetro invented the "First Workover Rig" of People's Republic of China. After half a century, THpetro has become the leading supplier of oil field machineries in China, acting as the key partner of CNPC and Sinopec.

Sinotai Petroleum Equipment Co., Ltd (hereinafter referred to as SINOTAI) located in Shengli Oilfield, is the international sales company of THpetro, mainly engaged in the integration of complete package of the drilling and workover rigs. SINOTAI has built long term strategic cooperation with most of the top brand in China like GF, BOMCO, RG, RGM, Rongsheng etc. With their strong support, SINOTAI can supply the best program for the complete of the rig package, faster and more economical. Not only supply the equipment, but also focus on solving the problem, increasing efficiently and saving the cost.

TS-SINOTAI is capable of providing a broad spectrum of workover rigs (XJ150-XJ750) with service depths from 1000m to 8000m, drilling depths 1000m to 3000m. To deliver the first class customer service, we constantly develop special workover rigs through strong R&D capabilities to satisfy various customers' requirements. The No-guyline and anchorless Workover Rig is designed to fit service well in desert and small spatial area. Multi-function equipment (e.g. Complex Flushby Unit, Snubbing Unit) improves the efficiency and reduces the cost for our customers through achieving workover, flushing, swabbing concurrently. For regions with alternative energy available, our Electric Drive Workover Rig allows customers to take advantage of flexible energy sources and minimize the environmental impact.

Keep moving, never stop. TS-SINOTAI will always use its extensive experience to apply the best available technology and the most appropriate solutions to meet customers' requirement.



API 4F



API 7K



API 8C



FLUSHING & DEWAXING TRUCK

- It is composed of steyr chassis, triplex plunger pump, water pump(imported from Italy), horizontal boiler etc.
- It is mainly used in flushing, sand washing and dewaxing the oil pipeline. Using hot water or steam to clean the wax on tubing's inner and outer wall and casing's inner wall, also the pipeline on the ground.
- It realizes to test pressure, dredge surface pipeline, cold & hot flush well, dewax(hot water, hot oil or steam), specially suitable for oilfield operating in low temperature area.

Main Parameters:

Item		Flushing & Dewaxing truck
Max. working temp. of steam	°C	260
Max. working pressure of steam	MPa	5.5
Max. working temp. of hot flushing	°C	160
Max. working pressure of hot flushing	MPa	20
Max. working pressure of flushing	MPa	35
Drive type of chassis		6×4 / 4×2
Power of Chassis' engine	Kw/ r/min	199/2200
Power of generator unit	Kw	15
Current of generator unit	A	23.5/26.4
Power of burner	Kw	1.5
Overall size (L×W×H)	m	10.35*2.5*3.25
Total weight	Kg	24000
Type of chassis		Steyr



FLUSHING FLUID TRUCK

- Flushing fluid truck is truck-mounted environmental friendly water treatment device for injection well circulating flushing and re-injection which is designed and developed for oilfield injection well flushing fluid treatment, has the function of circulating flushing with pressure and online backwash.
- Convenient operation, superior performance. The product can be used to purify the returned fluid of the water injection well when flushing.
- After removing the suspended mix, oil and other pollutants, re-inject the fluid to well, and carry out the closed-loop washing well.
- Dissolved air system of the oil removal process is applied, it is different from traditional air flotation process, operation control is simple, stable and high separation efficiency, treatment effect is good, oil removal rate can reach above 95%.

Main Parameters:

Item		Flushing fluid truck	
Max. Flushing pressure	MPa	35	
Max. Flushing flow	M ³ /h	30	
Relief valve working pressure	MPa	≤25	≤35
Single device working time	h	3-4	
Treating water temperature	°C	≤80	
Working environment temperature	°C	≥-5	
Suitable medium	mg/l	oil content≤3000; suspension content≤3000	
Water quality after treating	mg/l	oil content≤10; suspension content≤10	
Total weight	kg	25000	31000
Overall dimension in carrying state(L×W×H)	m	10.3×2.50×3.80	11.40×2.50×3.80
Carrier type		Styer	JINHUA YO-MAN



SAND WASHING TRUCK

- ⚙ Sand washing truck is oilfield special flushing device.
- ⚙ Oil, water and sand mixture after being processed, two stage cyclone desander can discharge 99% sand at specified location, oil/water separation system will recycle more than 80% crude oil.
- ⚙ At the same time triplex plunger pump can realize the water cycle flushing.
- ⚙ The device can be used to recycle crude oil in various mixtures with high effectiveness, reduce the operation use water greatly, and realize energy-saving and environmental protection.

Main Parameters:

Item	400 Type sand washing truck	300 Type sand washing truck	
Working pressure (MPa)	40	35	
Sand washing liquid volume (m³/h)	90	60	
Sand removal rate	90-99%		
Oil recovery rate	≥80%	≥80%	
Engine for truck	Mannheim TBD234V6	SC9DF290Q4	D10.34-40
Triplex pump water power (kW)	242	135	
Triplex pump stroke (m)	200	160	152.4
Cyclone model	CX200/150		
Cyclone desander working pressure (MPa)	0.2-0.6	0-0.6	
Cyclone desander working temperature(°C)	≤120		
Air float and sink system effective volume(m³)	15	10.5	11
Air float and sink system water retention time(min)	12	12	9
float oil tank volume(m³)	2	1.3	-
Sand collection box volume(m³)	1.3	2.5	3.5
Gas tank volume(L)	200		
Chassis type	BEIBEN	HONGYAN	SINOTRUK



FRONT ALIGNED OIL RECOVERY TRUCK

- ⚙ Front aligned oil recovery truck is commonly known as "front bailing", which is mainly used for bailing oil from the wells that is on the edge of the oil field, low yield or inconvenient to lay the oil pipe.
- ⚙ No need of ground guy line, the mast can stand up conveniently and quickly, the drum wire rope is arranged neatly, the drum line is controlled in the control room, other controls are all in the driving cab.

Main Parameters:

Item		Front aligned oil recovery truck
Drum load	m	2500
Steel wire line OD.	mm	16
Max. hoisting load	KN	30
Steel wire line hoisting speed	m/s	≤4(when drum rope have biggest OD.) ≤1.5(when drum rope have smallest OD.)
Mast max. length	m	8.3
Mast max. lifting angle	°	45
Carrier engine power	KW/r/min	213/2200
Driving type		6×4
Max. pump depth	m	2450
Barrel oil pump submergence	m	≤200 (5 1/2' casing)
Hydraulic system working pressure	MPa	≤12
Rope way		Manual
Carrier type		Styer



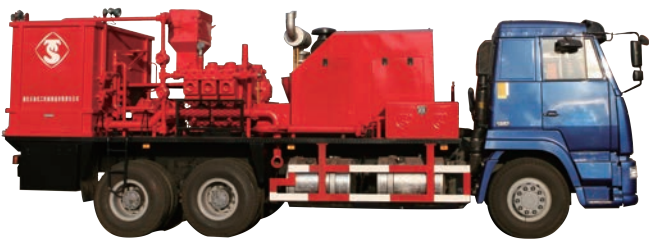


REAR ALIGNED OIL RECOVERY TRUCK

- Back aligned bailing oil truck is commonly known as "back bailing", which is mainly used for bailing oil from the wells that is on the edge of the oil field, low yield or inconvenient to lay the oil pipe.
- No need of ground guy line, the mast can stand up conveniently and quickly, the drum wire rope is arranged neatly, the gear shift and rope control are all operated in the control room, can realize centralized control.

Main Parameters:

Item		Rear aligned oil recovery truck	
Drum load	m	2500	
Steel wire line OD.	mm	16	
Max. hoisting load	KN	45	
Wireline hoisting speed	m/s	≤4(when drum rope have biggest OD.) ≤1.5(when drum rope have smallest OD.)	
Mast max. length	m	12	
Mast max. lifting angle	°	4.5	
Carrier engine power	KW/r/min	213/2200	221/1900
Driving type		6×4	
Max. pump depth	m	2450	
Barrel oil pump submergence	m	≤200 (5 1/2' ' casing)	
Hydraulic system working pressure	MPa	≤12	
Rope way		Manual	
Carrier type		Styer	



CEMENTING TRUCK

- Cementing truck adopts second classs automotive chassis, equipped with chassis, engine, transmission, plunger pump, water tank, suction manifold, discharge manifold and electric system.
- This truck mainly used for well cementing operation in oilfield. It can aslo perform well killing, sand washing, well flushing, and mud recovery operation.

Main Parameters:

Item		Cementing truck	
Triplex pump max. working pressure		Mpa	40
Triplex pump max. discharge		L/min	905
Water tank capacity		L	4000, 2 chamber (inner anti-corrosion insulation)
Triplex pump inlet size		In	4
Triplex pump outlet size		in	2
Mud density			1.3-2.2
Mud treatment capacity		L/min	1200
Overall dimensions (L x W x H)		m	9.30x2.50x3.36
Weight		Kg	20500
Chassis engine power		Kw	219
Engine model			WP12G430E310
Engine rated power		Kw/r/min	316/2100
Triplex pump type			Horizontal single acting triplex plunger pump
Triplex pump power		kw	214
Chassis			Steyr chassis





SWABBING TRUCK

- It is mainly used for oil field oil and water well swabbing operation, and can also be used for lead printing and sand fishing operation.
- The operation and control system of the truck is installed in the control cab, the winch can be moved backward and forward, easy to operate and move.

Main Parameters:

Item		Swabbing truck
Max. hoisting load	KN	80(where the minimum working diameter)
Min. hoisting load	KN	30(where the maximum working diameter)
Max. Working depth	m	3000
Drum load	m	3050
Swabbing line speed	m/s	4
Air system main pressure	MPa	0.66-0.8
Wheel distance	mm	4600
Brake structure type		Single lever manual operation belt brake
Carrier type		Styer/high configuration



FULL AUTOMATIC PARAFFIN REMOVAL TRUCK

- Adopt central integrated automatic control system, can automatically set temperature and pressure according to the technological requirements, at the same time equipped with manual and automatic switching system, simple operation, high stability.
- The truck is equipped with boilers and pipes to dry the system to prevent the freezing of the boilers and pipelines.

Main Parameters:

Item		Full automatic paraffin removal truck
Rated evaporation	Kg/h	1000
Outlet temperature	℃	260
Outlet pressure	MPa	5
Burner model		TBL85P(imported from Italy)
Carrier engine power	KW	132
Water tank volume	L	4000
Diesel tank volume	L	650
Overall dimension in carrying state (LxWxH)	m	8.78×2.47×3.20
Total weight	kg	12015
Carrier type		DONGFENG



MOBILE WORKSHOP

- The mobile workshop is mainly used for maintenance work in remote areas. With power supply of 30kW220V and 380V, it can be used as a mobile power station.
- The workshop is equipped on Shanqi SX1255TN464 chassis. There is an all-metal seal type carriage, the clear height is more than 2,000mm and the clear width is 2,270mm.
- The lathe, drilling machine, electrical welding and gas welding equipments, desk type abrasive wheel cutting machine, etc. are equipped in the carriage. Meanwhile, they are in rational layout. There is enough space for workers to move.
- It is a good choice for finishing some maintenance work in the wellsite.



PUMPING UNIT MAINTENANCE TRUCK

- Pumping Unit Maintenance truck is suitable for on-site maintenance, oiling, adjustment and lifting operations of all types of onshore oil field pumping unit, it can also be used for other high-altitude operations, is a typical multi-function equipment.
- Equipped with truck crane, working bucket, rotary lifting platform, welding, pneumatic high pressure oiler and other equipments.

Main Parameters:

Item		Folding type crane
Max. lifting load	kg	6300
Trolleying angle		0°~75°
Max. working radius	m	10.3
Max. lifting height	m	12.6
Rotation angle		400°
Item		Rotating lifting platform
Max. operating platform height	m	4.3
Max. operating radius of the platform	m	4.86
Platform rated load	kg	650
Rotation angle		360°
Platform adjustable height	m	2
Amount of lateral adjustable platform	m	1



