

产品样本



河南荣丰石油机械有限公司

Henan Rongfeng Petroleum Machinery Co., Ltd.

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一、公司简介 Company profile

河南荣丰石油机械有限公司始建于 2019 年，位于河南省濮阳市中原油田，注册资本 3000 万元，是一家专业制造石油专用车、油田污水处理成套设备、石油钻采设备及配件和提供油田技术服务的企业。公司依托中石化中原油田石油装备制造产业基地，面向国内外石油公司，积极推进先进技术和推广高品质的产品，为客户提供符合国际标准的石油设备和技术服务。

Henan Rongfeng Petroleum Machinery Co., Ltd. was founded in 2019, is located in Zhongyuan oil field, Puyang City, Henan Province, with a registered capital of 30 million yuan. It is a professional manufacturer of special oil vehicles, complete sets of oilfield sewage treatment equipment, oil drilling and production equipment and accessories, and an enterprise providing oilfield technical services. Relying on Sinopec Zhongyuan Oilfield Petroleum equipment manufacturing industrial base, facing domestic and foreign oil companies, the company actively promotes advanced technology and promotion of high-quality products, and provides customers with petroleum equipment and technical services that meet international standards.

公司质保体系完善，先后通过了 ISO9001 认证、ISO14001 认证、OHSAS 18001 认证、Q/SY 1001.1 认证和 Q/SY 1002.1 认证，形成了具有核心竞争力的洗井清蜡车、洗井车、锅炉车、采油车、压裂车、氮气发生车、油田污水处理成套设备、车载特种锅炉、燃烧机、传动箱、绞车、三缸柱塞泵等产品。

The company's quality assurance system is perfect, and has passed ISO9001 certification, ISO14001 certification, OHSAS 18001 certification, Q/SY 1001.1 certification and Q/SY certification 1002.1 certification has formed core competitive products such as well flushing-wax removal truck, well flushing truck, boiler truck, oil production truck, fracturing truck, nitrogen generation truck, complete sets of oilfield sewage treatment equipment, on-board special boiler, burner, transmission box, winches, triplex plunger pump, etc.

一、公司简介 Company profile

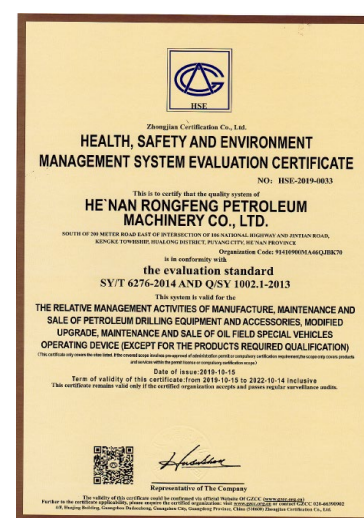
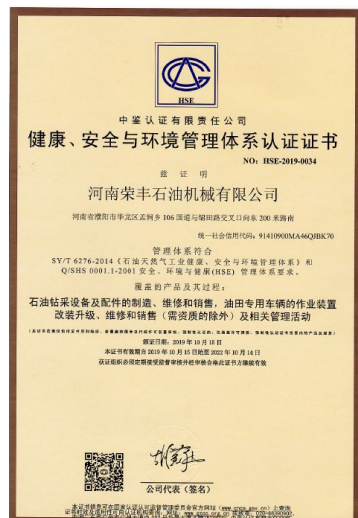
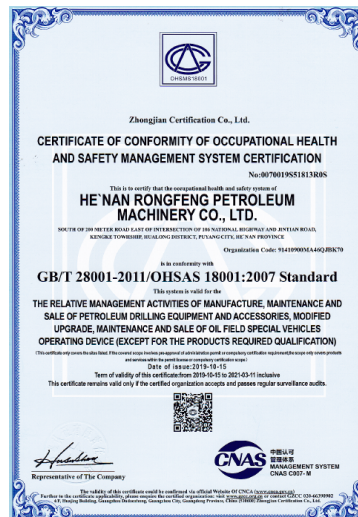
公司厂房占地面积 2500m²，有剪板机、折弯机、卷板机、压力试验台和整机性能试验台等设施。公司现有员工 60 人，其中技术骨干 20 人，高级工程师 8 人，省市级技术专家 5 人，技术力量雄厚，研发能力强，能为用户提供高标准、独特个性化的技术方案及产品。

The factory covers an area of 2500m² and has facilities such as plate shear, bending machine, plate rolling machine, pressure test bench and complete machine performance test bench. The company has 60 employees, including 20 technical backbones, 8 senior engineers, 5 provincial and municipal technical experts, strong technical force, strong R & D ability, and can provide users with high standard, unique and personalized technical solutions and products.

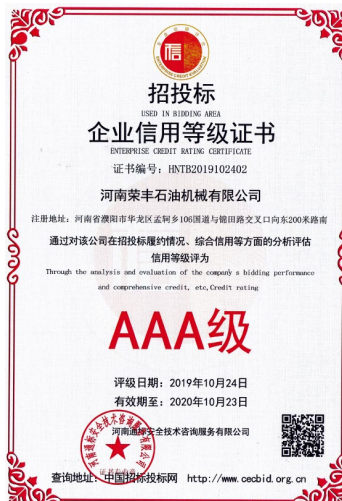
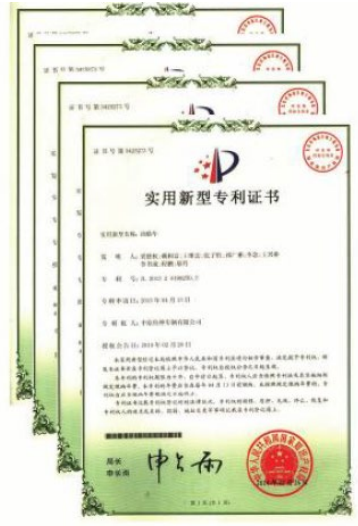
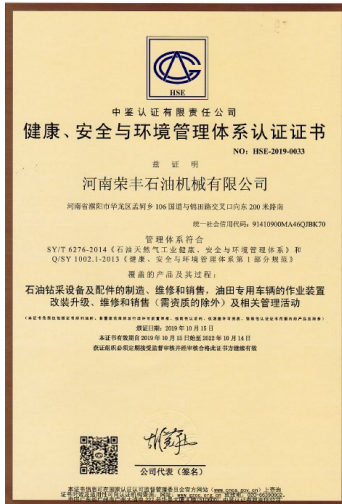
公司具有完善的销售服务网络，公司产品销往国内华北油田、大港油田、长庆油田、胜利油田、中原油田等油田，并先后进入了哈萨克斯坦、科威特、伊拉克、尼日尔、乍得、古巴、泰国等多个国家及地区，是许多油田公司的合格供应商。

The company has a complete sales service network, and its products are sold to North China oil field, Dagang oil field, Changqing oil field, Shengli oil field, Zhongyuan oil field and other oil fields in China. It has successively entered Kazakhstan, Kuwait, Iraq, Niger, Chad, Cuba, Thailand and other countries and regions, and is a qualified supplier of many oil field companies.

一、公司简介 Company profile



一、公司简介 Company profile



二、洗井清蜡车 Well Flushing-wax Removal Truck

产品用途：其是在汽车底盘上改装而成的石油专用特车，主要用于生产油井的正常热洗井、解堵；高压洗井、试压；配合修井作业进行管、杆清蜡；还可广泛用于加热其他介质，疏通、解冻地面管线及清洗设备等各种作业。

Application: it is a special oil vehicle refitted on the automobile chassis. It is mainly used for normal hot well flushing and plug removal of oil wells; high pressure well flushing and pressure test; pipe and rod paraffin removal in cooperation with workover operation; it is also widely used for heating other media, dredging and thawing ground pipelines and cleaning equipment and other operations.

产品功能：其集高压洗井、高压固井、加热洗井、蒸汽清蜡、试压等多种功能于一身。具有介质流动平稳，热值高，热效率高，设备利用率高，三缸柱塞泵及车载特种锅炉使用寿命长，车载特种锅炉的操作系统操作简单，点火安全可靠，维修保养方便等特点，是油田洗井、固井、清蜡作业的理想设备。

当然，还可以制造成橇装结构型式，以满足不同用户群的需要。

Product function: it integrates high pressure well flushing, high pressure cementing, heating well flushing, steam paraffin cleaning, pressure test and other functions. The utility model has the characteristics of stable medium flow, high heat value, high thermal efficiency, high equipment utilization rate, long service life of three cylinder plunger pump and vehicle mounted special boiler, simple operation of vehicle mounted special boiler operation system, safe and reliable ignition, convenient maintenance, etc., and is an ideal equipment for well flushing, well cementation and paraffin removal in oil field.

Of course, it can also be manufactured into a skid mounted structure to meet the needs of different user groups.

二、洗井清蜡车 Well Flushing-wax Removal Truck



洗井清蜡车 Well Flushing-wax Removal Truck



高压洗井清蜡车 High Pressure Well Flushing-wax Removal Truck

二、洗井清蜡车 Well Flushing-wax Removal Truck

主要技术参数 Main Technical Parameters		
名称 Name	单位 Unit	参数指标 Parameter
冷洗最高工作压力 Max. working pressure of cold flushing	MPa	35, 40, 70
冷洗最大工作排量 Max. working displacement of cold flushing	m ³ /h	50, 80, 100
热洗最高工作压力 Max. working pressure of hot flushing	MPa	20
热洗最高工作温度 Max. working temperature of hot flushing	℃	160
热洗最高工作温度下对应排量 Corresponding displacement under the max. working temperature of hot flushing	m ³ /h	4.85
车载特种锅炉最大热功率 Max. thermal power of on-board special boiler	kW	1000, 1500
车载特种锅炉热效率 Thermal efficiency of on-board special boiler	/	≥90%
车载特种锅炉燃料种类 Fuel type of on-board special boiler	/	轻柴油 Diesel oil
作业介质 Working medium	/	清水, 原油 Clean water, crude oil

三、自循环洗井车 Self-loop Well-flushing Truck

产品用途: 其是在汽车底盘上改装而成的石油专用特车，主要用于油田注水井的高压清洗作业。

Application: it is a special oil vehicle refitted on the automobile chassis, which is mainly used for high pressure flushing of water injection wells in oil fields.

产品功能: 其集成化程度高，配置有三缸柱塞泵和水处理系统等装置，在进行作业时，可以实现水的自循环高压清洗流程，达到除砂、除油、除杂等目的，减少了洗井作业的水使用量，节约作业成本，实现绿色环保作业的要求，具有机动性强，生产成本低，操作简单及维修保养方便等特点，是油田洗井作业的理想设备。

Product function: it is highly integrated, equipped with three cylinder plunger pump, water treatment system and other devices. During the operation, it can realize the self circulation and high pressure cleaning process of water, achieve the purpose of sand removal, oil removal and impurity removal, reduce the water consumption of well flushing operation, save the operation cost, and realize the requirements of green environmental protection operation. It has strong mobility, low production cost and simple operation. It is an ideal equipment for oil field well flushing operation.



主要技术参数 Main Technical Parameters

名称 Name		单位 Unit	参数指标 Parameter
最高工作压力 Max. working pressure		MPa	35
最大工作排量 Max. working displacement		m ³ /h	50
处理前水质指标 Water quality index before treatment	悬浮物含量 SS content	mg/L	≤2500
	油类含量 Oil content	mg/L	≤2500
处理后水质指标 Water quality index after treatment	悬浮物含量 SS content	mg/L	≤15
	油类含量 Oil content	mg/L	≤15

四、采油车 Oil Production Truck

产品用途: 其是在汽车底盘上改装而成的石油专用特车，主要用于油井的采油、强排及试油作业，也可用于油井、水井的通井和打捞作业。

Application: it is a special oil vehicle refitted on the automobile chassis. It is mainly used for oil production, forced drainage and oil testing of oil wells, as well as well as well as well as well as well as well as well as well as well as well as well as well as for well passing and fishing.

产品功能: 其集采油、强排、试油、油水井通井及打捞等多种功能于一身，采用抽吸原理，通过油井套管或抽油管进行采油、强排、试油作业，工作时只需钢绳对准井口，将管下到液面一定深度后上提，井内油液即可抽出并自动压入油罐车或贮油罐。具有采油机动性强，生产成本低，能适应各种井场作业，操作简单及维修保养方便等特点，是油田采油作业的理想设备。

当然，还可以制造成橇装结构型式，以满足不同用户群的需要。

Product function: it integrates multiple functions such as oil production, forced drainage, oil testing, oil and water well logging and fishing. It adopts the principle of suction to carry out oil production, forced drainage and oil testing through oil well casings or oil extraction pipes. During operation, it only needs to align the steel rope with the wellhead, lower the pipe to a certain depth of the liquid surface and lift it up. The oil in the well can be extracted and automatically pressed into the tank truck or oil storage tank. It is an ideal equipment for oil production in oil field, which has the advantages of strong oil production mobility, low production cost, easy operation and maintenance, etc.

Of course, it can also be manufactured into a skid mounted structure to meet the needs of different user groups.



后置式采油车 Rear-mounted Oil Production Truck

四、采油车 Oil Production Truck

			
小型后置式采油车 Small Rear-mounted Oil Production Truck		前置式采油车 Front-mounted Oil Production Truck	
主要技术参数 Main Technical Parameters			
名称 Name	单位 Unit	参数指标 Parameter	
最大作业深度 Max. working depth	m	900	2350
滚筒最小直径处最大提升负荷 Max. lifting load at minimum drum diameter	kN	50	120
滚筒容绳量 Rope capacity of drum	m	1000	2500
钢丝绳直径 Wire rope diameter	mm	$\phi 14$	$\phi 16$
井架工作高度 Working height of derrick	m	9	11
井架最大工作负荷 Max. working load of derrick	kN	50	120

五、锅炉车 Boiler Truck

产品用途：其是在汽车底盘上改装而成的石油专用特车，主要用于油管（杆）清蜡、油井解堵、管线解冻、管线疏通、稠油稀释及设备清洗等作业。还可以作为一个活动热源，广泛用于加热其它介质、管线及设备等的清洗工作。

Product application: it is a special oil vehicle refitted on the automobile chassis. It is mainly used for oil pipe (rod) paraffin removal, oil well plug removal, pipeline defrosting, pipeline dredging, heavy oil dilution, equipment cleaning and other operations. It can also be used as an active heat source for heating other media, pipelines and equipment cleaning.

产品功能：其集高压清洗、加热洗井及蒸汽清蜡等功能于一身。具有介质流动平稳，热值高，热效率高，设备利用率高，车载特种锅炉使用寿命长，操作系统操作简单，点火安全可靠，维修保养方便等特点，是油田清蜡作业的理想设备。

Product function: it has the functions of high pressure waxing, heating well flushing and steam wax cleaning. The utility model has the characteristics of stable medium flow, high calorific value, high thermal efficiency, high equipment utilization rate, long service life of vehicle mounted special boiler, simple operation of operating system, safe and reliable ignition, convenient maintenance, etc., and is an ideal equipment for paraffin removal operation in oil field.

产品分类：其按驱动型式分类，有机械式锅炉车、液压式锅炉车及电动式锅炉车三种。机械式锅炉车的动力由车台柴油发动机提供；液压式锅炉车的动力由液压站提供；电动式锅炉车的动力由柴油发电机组提供。控制系统可以提供超温报警保护和超压报警保护等功能。

当然，还可以制造成橇装结构型式，以满足不同用户群的需要。

Product classification: according to the type of drive, there are three types: mechanical boiler car, hydraulic boiler car and electric boiler car. The power of the mechanical boiler car is provided by the diesel engine of the car platform; the power of the hydraulic boiler car is provided by the hydraulic station; the power of the electric boiler car is provided by the diesel generator set. The control system can provide over temperature alarm protection, over pressure alarm protection and other functions.

Of course, it can also be manufactured into a skid mounted structure to meet the needs of different user groups.

五、锅炉车 Boiler Truck



主要技术参数 Main Technical Parameters

名称 Name	单位 Unit	参数指标 Parameter	
最高工作压力 Max. working pressure	MPa	6	9.8
最大工作排量 Max. working displacement	m ³ /h	1.26	1.8
最高工作温度 Max. operating temperature	°C	280	280
配套水箱最大容积 Max. volume of matching water tank	m ³	5	7.5
配套柴油箱最大容积 Max. volume of matching diesel tank	m ³	0.65	1.0
配套锅炉最大热功率 Max. thermal power of supporting boiler	kW	350	700

六、压裂车（固井车） Fracturing Truck（Cementing Truck）

产品用途：其是在汽车底盘上改装而成的石油专用特车，主要用于油田注水、固井、压裂及试压等作业。

Application: it is a special oil vehicle refitted from automobile chassis, mainly used for oilfield water injection, well cementation, fracturing and pressure test.

产品功能：其动力由车台柴油发动机提供，安装有高压、大排量的三缸柱塞泵。具有介质流动平稳，作业效率高，操作系统操作简单，运行安全可靠，维修保养方便等特点，是油田压裂作业的理想设备。

Product function: its power is provided by the diesel engine on the platform, and it is equipped with a three cylinder plunger pump with high pressure and large displacement. It has the characteristics of stable medium flow, high operation efficiency, simple operation system, safe and reliable operation, convenient maintenance, etc. it is an ideal equipment for oilfield fracturing operation.

产品分类：其按驱动型式分类，有机械传动式压裂车、液力传动式压裂车两种。机械传动式压裂车采用机械变速箱驱动三缸柱塞泵；液力传动式压裂车采用液力变矩器驱动三缸柱塞泵。控制系统可以提供远程控制箱及超压报警保护等功能。

当然，还可以制造成橇装结构型式，以满足不同用户群的需要。

Product classification: it is classified by drive type, including mechanical drive fracturing truck and hydraulic drive fracturing truck. Mechanical transmission fracturing truck uses mechanical gearbox to drive triplex plunger pump; hydraulic transmission fracturing truck uses hydraulic torque converter to drive triplex plunger pump. The control system can provide remote control box, over pressure alarm protection and other functions.

Of course, it can also be manufactured into a skid mounted structure to meet the needs of different user groups.

六、压裂车（固井车） Fracturing Truck (Cementing Truck)



主要技术参数 Main Technical Parameters

名称 Name		单位 Unit	参数指标 Parameter		
最高工作压力 Max. working pressure		MPa	40	70	105
最大工作排量 Max. working displacement		m ³ /h	100	70	120
混浆系统 Mixing system	混浆密度 Mixing density	g/cm ₃	/	/	1.0-2.4
	混浆能力 Mixing capacity	m ³ /min	/	/	0-2.3
配套水箱最大容积 Max. volume of matching water tank		m ³	2	2	2+2

七、氮气发生车 Nitrogen Generation Truck

产品用途：其是在汽车底盘上改装而成的石油专用特车，主要用于油井增产的制氮、注氮、试压等作业。

Application: it is a special oil vehicle refitted on the automobile chassis, mainly used for nitrogen production, nitrogen injection, pressure test and other operations of oil well stimulation.

产品功能：其动力由车台柴油发动机提供，安装有液氮泵、蒸发器等设备。具有介质流动平稳，作业效率高，操作系统操作简单，运行安全可靠，维修保养方便等特点，是油田制氮、注氮作业的理想设备。

Product function: its power is provided by the diesel engine of the vehicle platform, equipped with liquid nitrogen pump, evaporator and other equipment. With the characteristics of stable medium flow, high efficiency, simple operation of the operating system, safe and reliable operation, and convenient maintenance, it is an ideal equipment for nitrogen production and injection operation in the oilfield.

产品分类：其按驱动型式分类，有机械传动式压裂车、液力传动式压裂车两种。机械传动式压裂车采用机械变速箱驱动三缸柱塞泵；液力传动式压裂车采用液力变矩器驱动三缸柱塞泵。控制系统可以提供远程控制箱及超压报警保护等功能。

当然，还可以制造成橇装结构型式，以满足不同用户群的需要。

Product classification: it is classified by drive type, including mechanical drive fracturing truck and hydraulic drive fracturing truck. Mechanical transmission fracturing truck uses mechanical gearbox to drive triplex plunger pump; hydraulic transmission fracturing truck uses hydraulic torque converter to drive triplex plunger pump. The control system can provide remote control box, over pressure alarm protection and other functions.

Of course, it can also be manufactured into a skid mounted structure to meet the needs of different user groups.

七、氮气发生车 Nitrogen Generation Truck



主要技术参数 Main Technical Parameters

名称 Name	单位 Unit	参数指标 Parameter
最高工作压力 Max. working pressure	MPa	105
最大工作排量 Max. working displacement	Mn ³ /h	19000

八、注醇设备（车或橇） Alcohol Injection Equipment (Vehicle or Skid)

产品用途：其主要用于气井高压注入甲醇或泡排剂等气井用服务液，可以做成专用车或者橇装设备。

Application: It is mainly used for high-pressure injection of methanol or foam discharge agent into gas wells, and can be made into special vehicle or skid mounted equipment.

产品功能：其动力由发动机的变速箱或液压站提供。液压站可以从底盘车的变速箱侧取力驱动液压泵带、液压马达使得注醇泵作业。具有介质流动平稳，作业效率高，操作系统操作简单，运行安全可靠，维修保养方便等特点，是气田注醇作业的理想设备。

Product function: Its power is provided by the gearbox or hydraulic station of the engine. The hydraulic station can take the power from the gearbox side of the chassis car to drive the hydraulic pump belt and the hydraulic motor to make the alcohol injection pump work. It has the characteristics of stable medium flow, high operation efficiency, simple operation system, safe and reliable operation, convenient maintenance, etc. it is an ideal equipment for alcohol injection operation in gas field.

产品分类：其按驱动型式分类，有机械传动式和液压传动式两种。机械传动式由发动机及其变速箱通过传动轴驱动注醇泵；液压传动式由液压站驱动注醇泵。控制系统可以提供流量显示和超压报警保护等功能。

Product classification: According to the type of drive, there are two types: mechanical drive and hydraulic drive. The mechanical drive type drives the alcohol injection pump by the engine and its gearbox through the transmission shaft; the hydraulic drive type drives the alcohol injection pump by the hydraulic station. The control system can provide functions such as flow display and overpressure alarm protection.

八、注醇设备（车或橇） Alcohol Injection Equipment (Vehicle or Skid)



主要技术参数 Main Technical Parameters

名称 Name	单位 Unit	参数指标 Parameter
最高工作压力 Max. working pressure	MPa	40
最大工作排量 Max. working displacement	L/h	600

九、油田污水处理设备 Oilfield Sewage Treatment Equipment

产品用途：其主要用于油田污水处理，包括压裂返排液、油井施工的措施废液和储罐清洗的废水等的净化处理。

Application: It is mainly used for oil field sewage treatment, including fracturing flowback fluid, oil well construction waste liquid and tank cleaning waste water purification treatment.

产品功能：其主要由配药加药单元、氧化反应单元、浮选分离单元、沉降分离单元、压滤单元和配电单元等组成，处理后的水质满足油田的再利用要求。其具有介质流动平稳，作业效率高，操作系统操作简单，运行安全可靠，维修保养方便等特点，是油田污水的理想设备。

Product function: It is mainly composed of dosing unit, oxidation reaction unit, flotation separation unit, sedimentation separation unit, pressure filtration unit and power distribution unit. The treated water quality meets the reuse requirements of the oilfield. It has the characteristics of stable medium flow, high operation efficiency, simple operation system, safe and reliable operation, convenient maintenance, etc. it is an ideal equipment for oilfield sewage.



九、油田污水处理设备 Oilfield Sewage Treatment Equipment



主要技术参数 Main Technical Parameters

名称 Name	单位 Unit	参数指标 Parameter
工作压力 Working pressure	MPa	0.6
工作排量 Working displacement	m ³ /h	25, 50
处理后水质 Water quality after treatment	pH	/
	油含量 Oil content	mg/L
	悬浮物含量 SS content	mg/L
	悬浮物颗粒直径 Diameter of SS solids	μm
装机总功率 Total installed power	kW	≤150
设备占地面积 Floor area of equipment	m×m	25.5×10.5

十、结束语 Concluding Remarks

河南荣丰石油机械有限公司秉着“专业做，只做专业的”油田钻采设备，“急用户所需，想用户所想”，根据用户的要求制造油田专用设备。

Henan Rongfeng Petroleum Machinery Co., Ltd. adheres to the principle of "professional, only professional" oil field drilling and production equipment, "urgent user needs, think of user wants", and manufactures oil field special equipment according to user's requirements.

公司热诚欢迎您的光临指导，交各方朋友，共同开拓石油市场，实现共赢，打造“荣丰石油”品牌。

We sincerely welcome your presence and guidance, make friends with all parties, jointly explore the oil market, achieve win-win results, and create the "Rongfeng oil" brand.

如果您有所需，请联系我们，谢谢！

If you need anything, please contact us, thank you!

河南荣丰石油机械有限公司

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