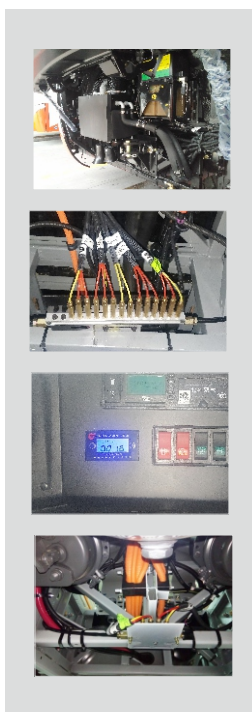


AUTOL 奥特

Efficiency makes life better

AR60 Centralized Lubrication system

(suit for commercial vehicle, construction machinery industry)



- High Reliability performance
- Intelligent Temperature Controller
- Anti soaking
- Patent of increase liquidity on deposited grease on bottom of reservoir
- CAN BUS Technology



About Autol



China's Leading Brand on Centralized Lubrication solutions



Nine Professional Testing Laboratory



Export to more than 40 countries and area



R & D professional engineer more than 85 from worldwide



More than 100 Declared patents

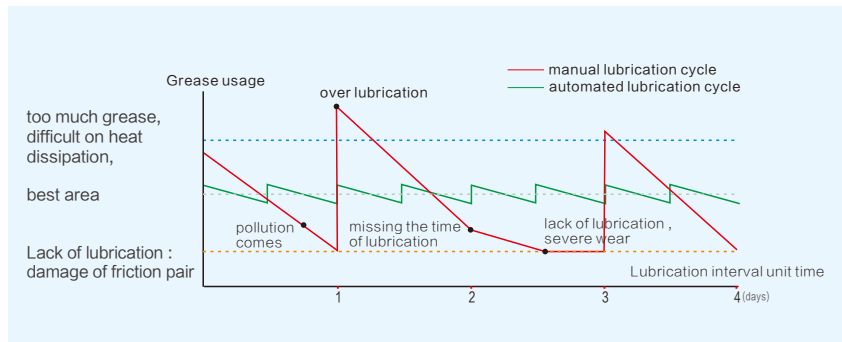


More than 500,000 sets of lubrication equipment at running

The Values Of Autol Acls Solutions Brings To You

- Reduce maintenance and failure repair times, reduce the cost of accessories;
- Increase equipment operation time, improve operational efficiency;
- Extend the life of lubrication parts by up to 60% ;
- Machinery Automation, Saving labor by up to 95%,Achieve safe production operations;
- Energy saving and environmental protection, saving grease up to more than 70%

Comparison between manual lubrication and automated lubrication on same lubrication cycle



comparisons on project	manual lubrication	Automated lubrication	Benefits of Automated lubrication
grease cost	20 days/1kg/time 18times/year	0.625 days/0.08kg/time	save grease cost about USD 37.00 per equivalent cycle
lubrication labor cost	standard project 18 times/year 20 days/2 hours/usd 4.50/time	manpower free	save labor cost about USD 160 per equivalent cycle
save fuel costs	long-term friction ,strenuous operation,increased fuel consumption	Convenient operation	saving 1-3% fuel per 100,000 kilometers,about USD 573
maintenance cost	Frequent maintenance, decrease bus operating rate	No need for frequent maintenance	save 6 times basic maintenance check, 2 times deep maintenance check per year, estimated benefits about USD 420

Centralized single line and single row lubrication system

The single-row and single-line centralized lubrication system is designed with LED control, monitoring and working cyclically.

After the amount is fixed by different plungers of the single-row and single-line distributor, the grease supplied by the grease pump is delivered to all the lube points.

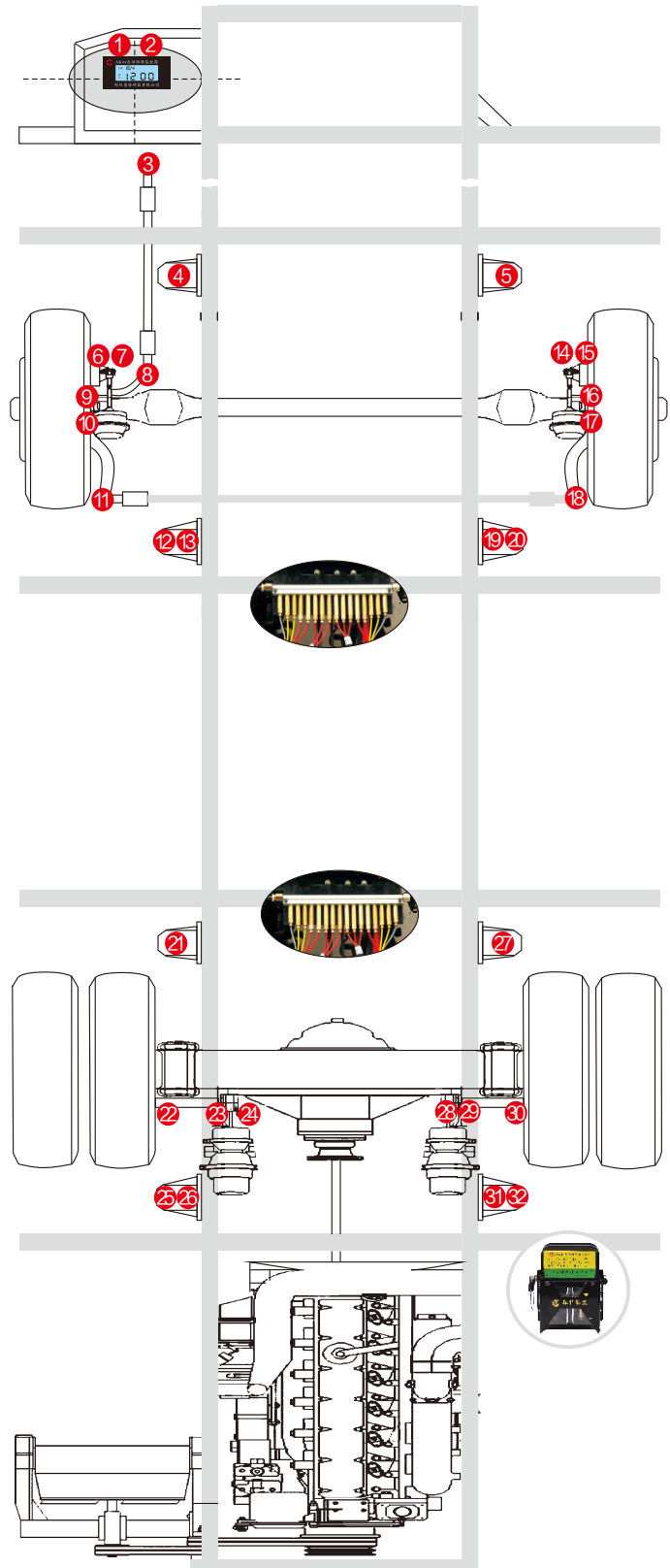
NLGI-000, NLGI-00, NLGI-0 grease available.

It applies to mechanical equipment for construction machinery, commercial vehicles, metallurgy, port, wharf, ship, crane, woodworking, food, construction project, material handling etc.

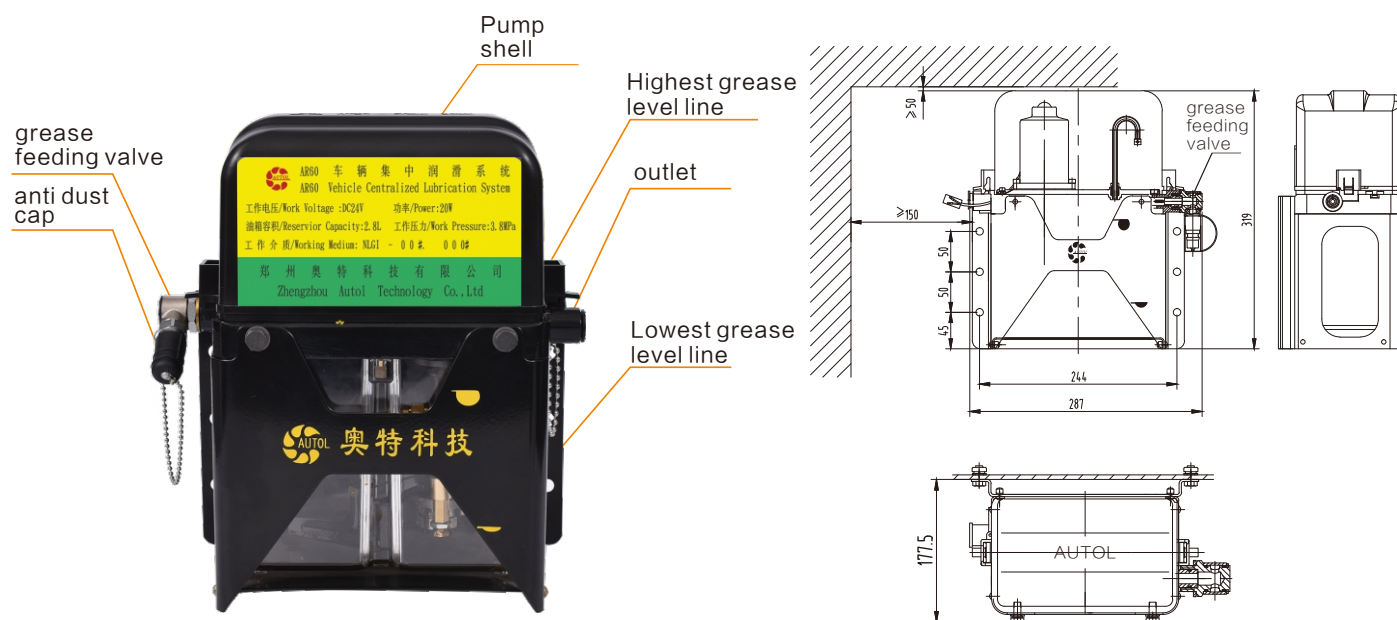
Centralized single line and single row lubrication system composed by gear pump, single line and single row distributor, monitor and accessories.

common used lubrication points :

No.	Name of lubrication point	discharge quantity
1	Clutch pedal shaft	0.2ml
2	Brake pedal shaft	0.4ml
3	Straight tie rod front ball joint	0.2ml
4/5	Leaf spring pin	0.4ml
6	camshaft neck stand	0.13ml
7	adjustable arm	0.4ml
8	Straight rod rear ball joint	0.2ml
9/10	Master pin	0.4ml
11	Tie rod ball joint	0.2ml
12/13	Leaf spring pin	0.4ml
14	adjustable arm	0.4ml
15	camshaft neck stand	0.13ml
16/17	Master pin	0.4ml
18	Tie rod ball joint	0.2ml
19/20/21	Leaf spring pin	0.4ml
22	camshaft neck stand	0.13ml
23	camshaft rear stand	0.2ml
24	adjustable arm	0.4ml
25/26/27	Leaf spring pin	0.4ml
28	adjustable arm	0.4ml
29	camshaft rear stand	0.2ml
30	camshaft neck stand	0.13ml
31/32	Leaf spring pin	0.4ml



AR60 Products Technical data



item	content	AR60H
Moni- oring system	control mode	ECU Microcomputer-programmed control
		AK04 Monitor
	rest interval	6-20 hours (15 level adjustable)
	Display mode	LCD Dynamic display : Grease pressure,cycle count,"on"and "off"time, fault code
	pressure sensor	Closed pressure:2.6Mpa/Exposed Pressure :2.0Mpa
	temperature sensor	Automatic detection of ambient temperature,Low temperature standby protection
Pump unit	operating time	lasting 60 seconds after press sensor closed
	type	High pumpability gear pump
	reservoir capacities	2.8L
	power output	20W 24V/2A DC
	output pressure	90mL/min
	output pressure	3.8mpa in -40 to 60℃
	grease suitable	65
	grease suitable	NLGI-0#,00#,000#
Distri- butor	Discharge pressure	pressurized rod style : 2.5mpa in -40 to 60℃
	cyclic output	0.1 ml、 0.2ml、 0.4 ml
Hose and tube	main oil pipe	φ 10x1.5 nylon pipe or φ 10X1 hard tube
	distributor pipe	φ 4X0.75mm nylon pipe
Environment temperature		-40℃~ 70℃

Structural Advantage:

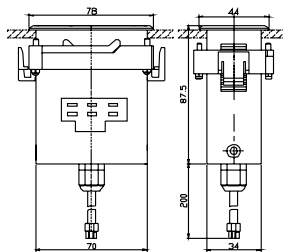
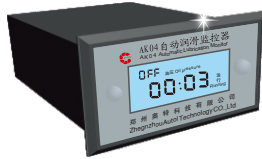
- gear pump could use NLGI 0# 、 00#、 000#;
- Initiate Patent of increase liquidity on deposited grease on bottom of reservoir ,prevent grease into concretion
- build-in monitor, free adjustment on time setting, make sure regular and precisely lubrication
- new pattern single-row distributor, powerful pressure to make perfect lubrication

Technical Advantage:

- patent of anti soaking technology to make sure the system proper functioning in the lowland flooding environment
- Initiate Patent of intelligent temperature controller technique, breakthrough application problem in extremely low temperature
- matching with automatic grease feeder, save time and money
- working temperature :-40℃ to70℃;

Centralized single line single row lubrication system accessories

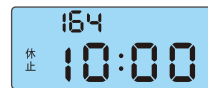
Monitor



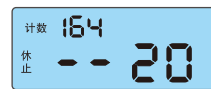
Ak04 monitor is the control center of the whole lubrication system, dynamic display oil-way pressure 、 pause countdown、 operating hours、 accumulated operating times and fault warning function. Using DC24V or DC12V power, installed within sight in cab、 easy fixed and maintained by remote control



operation interface



off time interface

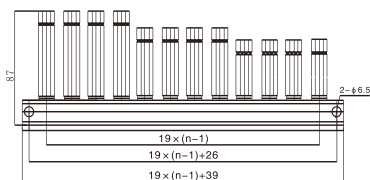


low temperature standby interface



Fault mode interface

single-line single-row distributor



maximum discharge pressure 3.0Mpa in regular temperature and automated increase the pressure when temperature decrease , grease separator storage in calculation after Pump stop working

Maximum operation pressure reach to 6.3Mpa;
Displacement has 0.1/0.2/0.4ml/cy;
lubricants suit for NLGI-000#、00#、0#

DC-801 grease feeding machine



Structure composed by planetary reducer structure 、 eccentric drive unit 、 plunger and check valve, with feature of simple principle, reliable performance, convenient maintenance

Technical parameters:

Voltage: 24V DC

Output power: 300W

Maximum output pressure: 40Mpa

Maximum output flow: 350g/min

Weight: 8.5KG

Lubricant: NLGI 0# 1# 2#

Export To More Than 40 Countries And Area



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