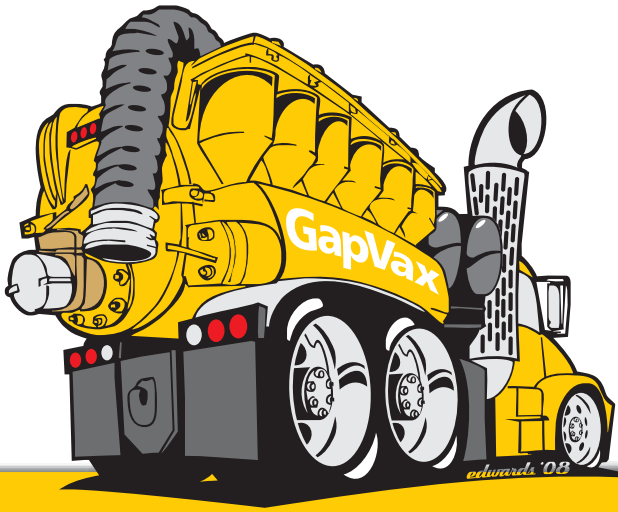


REPAIR
MAINTENANCE
SOLUTIONS



SYSTEM MAINTENANCE

DAILY CHECKLIST-IN ADDITION TO DOT/AGENCY CHASSIS CHECKLIST

PRIOR TO OPERATION:

1. Check **ENTIRE** Truck for fluid or air leaks (R/R as necessary)
2. Check Hydraulic Reservoir for proper fluid level (Sight Eye located curbside)
3. Check Water Pump oil level (Dipstick on top of gear end)
4. Check lube level in Vacuum Pump (Sight Eyes on both sides of unit)
5. Inspect High-pressure Sewer Hose for abnormal wear/cuts/abrasions (R/R as necessary)
6. Check **ALL** Valves for proper position (On or Off)
7. **MAKE SURE ALL** carried items are totally secure (Tubes/Tools/Cones/etc.)
8. Follow instructions indicated by instruction/warning Placards

DURING OPERATION:

1. Check **ENTIRE** Truck for fluid, air, or vacuum leaks
2. Check that Pulsation System is functioning properly (if so equipped)
3. Check that **ALL** Gauges are functioning properly

LOAD CHECKS:

1. Make sure ALL material has discharged from Collector Body and Cyclone(s) Chute(s)
2. Check Cyclone Separator(s)
3. Make sure ALL accumulated material has been cleaned from Tailgate and Side Chute Gaskets
4. When vacuuming liquids, check Floatball **AND** Floatball Gasket

AFTER OPERATION:







1. Clean Collector Body
2. Clean Collector Chute
3. Check Cyclone Separator and Safety Screen, cleaning as needed

NOTE: **ALL** of the above areas may be cleaned with water



HV Preventative Maintenance Schedule

CHASSIS


Refer to Chassis Owner's Manual for Chassis Maintenance

<i>GapVax® Module</i>	300 HRS	600 HRS	1200 HRS	OTHER
Lubricate Body Grease Fittings - Monthly				Initial 100
Lubricate Tailgate Locks				
Lubricate Blower Driveshaft				
Perform Filter Bag Restriction Test				
Rotate Porthose ¼ Turn				
Change Transfer Case Oil OMSI	Initial 100	500 HRS Or 12 mths		
Change Transfer Case Oil COTTA	Initial 100			2500 hrs Or 6 mths
Change Blower Oil (Mineral) <i>Refer to Hour Meter</i>	Initial 200			800
Change Blower Oil (Synthetic) <i>Refer to Hour Meter</i>	Initial 200			1,600
Change Hydraulic Oil & Filters (Filters every 6 months)				

Water System

Inspect & Clean "Y" Strainer				Before use
Lubricate Hose reel swivel & bearings				Weekly
Check Oil in water pump crankcase (Oil level and milkiness)				Before Use
Lubricate Water pump driveshaft				
Change Water pump Crankcase Oil Giant LP Series		500		Initial 50
Change Water pump oil Giant 8000 Series	200			Initial 50
Change Water pump oil URACA				Initial 50
Change Water pump oil Pratissoli Pump		500		Initial 50
Change Water pump oil General Pump		500		Initial 50
Change Oil in Water pump drive gearbox (85W90)				Weekly

Rotating Boom

Lubricate Boom Turret Bearing				Weekly
Lubricate Boom Slides (Extendable only)				Weekly
Lubricate Boom Pivots				Weekly
Change Oil in Power Pack (Dextron III)				Weekly
<i>Liquid Level Load Indicator</i>				
Lubricate Swivel				Weekly

Blow-Off System

Lubricate 6" Ball Valve				Before use
Check free movement/all 4 Pneumatic-actuated valves				Before use

Lubricate Swivel Joint				Weekly
<i>Tailgate Auger</i>	300 HRS	600 HRS	1200 HRS	OTHER
Lubricate Bottom Bronze Bearing				Before use
Lubricate Top Bronze Bearing				Before use
Check Oil in Auger Gearbox				Weekly
Change Oil in Auger Gearbox				Initial 100
Tighten top Packing Gland				If leaking
<i>Sludge Pump - Hydra Tech</i>				
Check Oil in Bearing Housing (level & milkiness/severe duty)	100	250		
Change Oil in Bearing Housing		Initial 250	1,000	
<i>Vane Pump System</i>				
Check Vane Pump Oil level				Before use
Remove build-up/10" Butterfly Valve & 12" Floatball				Before use
Lubricate Vane Pump Driveshaft				
Inspect/Change Valves	100			
Test setting of Pressure relief valves				
Inspect Vane Pump air filter	100			

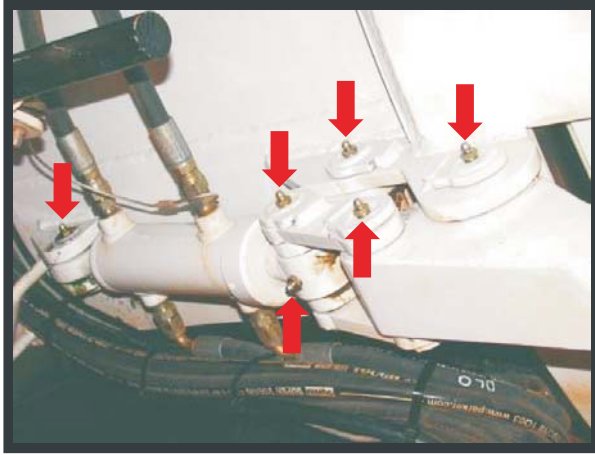
Recommended Oils & Filters	
Hibon SIAV Series Blowers (Mineral)*	Mobilgear 630 (Mineral EP ISO VG 220)
Hibon SIAV Series Blowers (Synthetic)*	Mobil SHC 630 (Synthetic EP ISO VG 220)
Transfer Case : Omsi Cotta	Dextron III (approx. 11 qts) SAE 80W-90 (approx. 9 qts)
Hydra-Tech Sludge Pump	Hydraulic Oil, SAE10 Motor Oil, or SAE20
Hydraulic Oil	AW46 (45 gallons)
Hydraulic Oil & Filter (10 Micron Absolute)	UFI ESF22NFC or equivalent
Fruitland Vane Pump	Non-detergent SAE50 Motor Oil (Summer) & SAE30 (winter)
Giant LP Series Water Pump (Crankcase Oil)	SAE90 Gear Oil (100 fl. oz.)
Giant 8000 Series Water Pump	ISO VG 220 (Mobil Gear 630, Shell Omala 220, or Texoma Morepa 220)
Pratissoli Water Pump	ISO VG 220
URACA Water Pump (708 or 716)	ISO VG 220
Pace Washdown Pump	Non-detergent SAE30 Motor Oil
Driveshaft Grease (Push out ALL old Grease)	Lithium-based NLGI No. 2

***NOTE on Blower Oil:** If converting from Mineral Oil to Synthetic Oil, MAKE SURE to follow proper flush procedures!

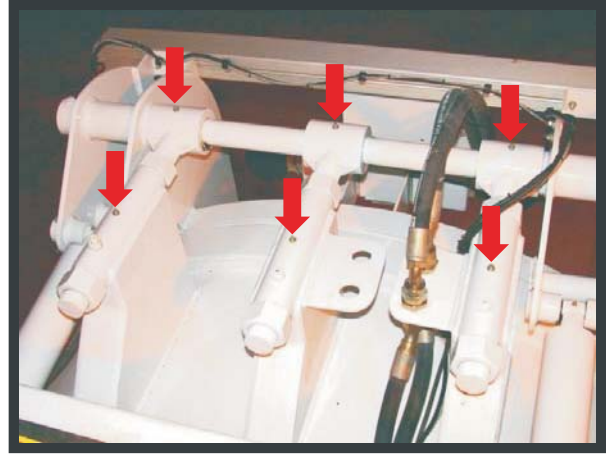
IMPORTANT! Check Component manuals within your GapVax® Operational Manual for further instruction on maintenance

LUBRICATION POINTS/GREASE FITTINGS

Tailgate



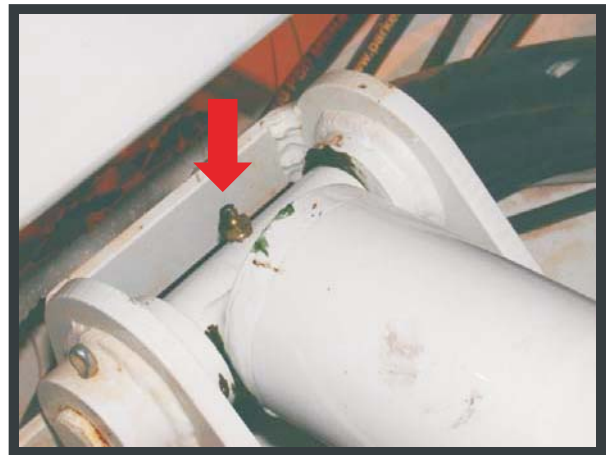
1. Tailgate Lock grease points
(4 locks, 6 fittings each)



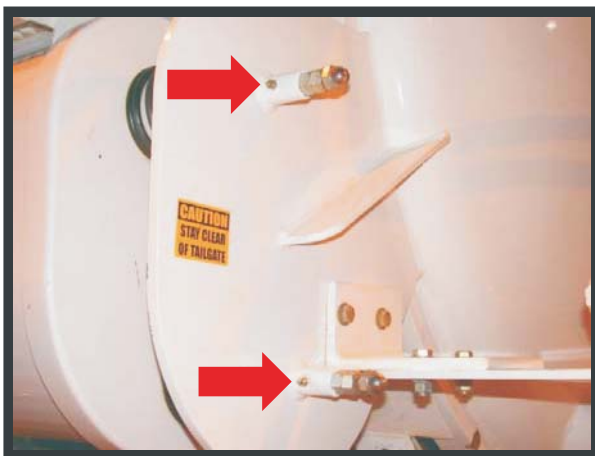
2. Tailgate open/close cylinders grease points (6 fittings)



3. Tailgate Lift Cylinder grease point

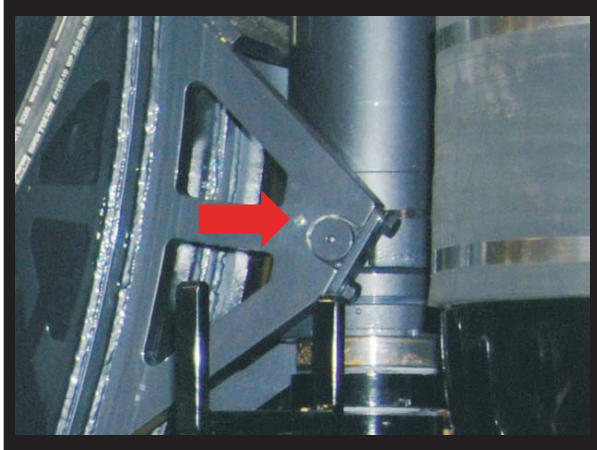


4. Tailgate Lift cylinders grease point

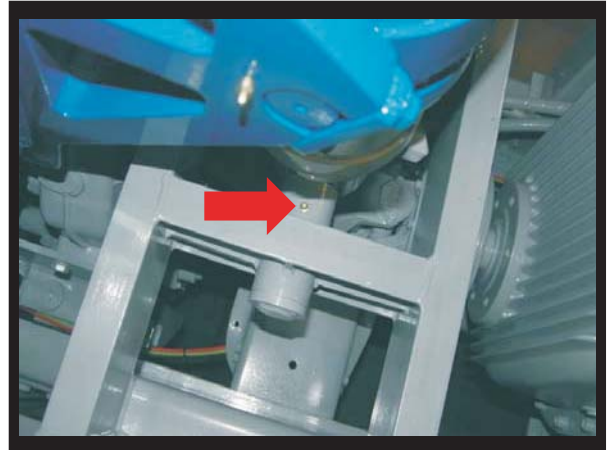


5. Dump Chute Door grease points
(2 fittings each side)

Body Lift Cylinder (Single)

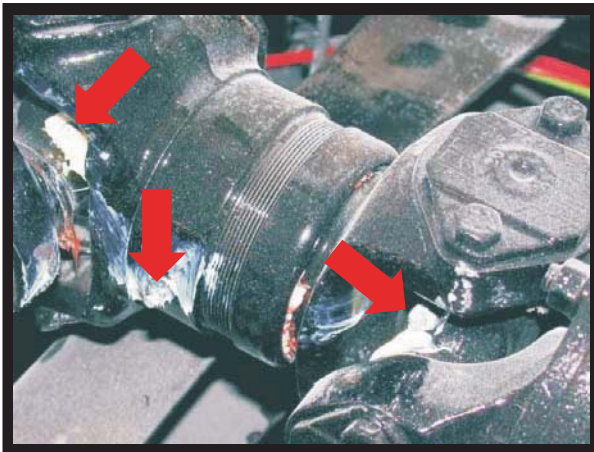


1. Single Body Lift Cylinder grease point (driver's and curbside)



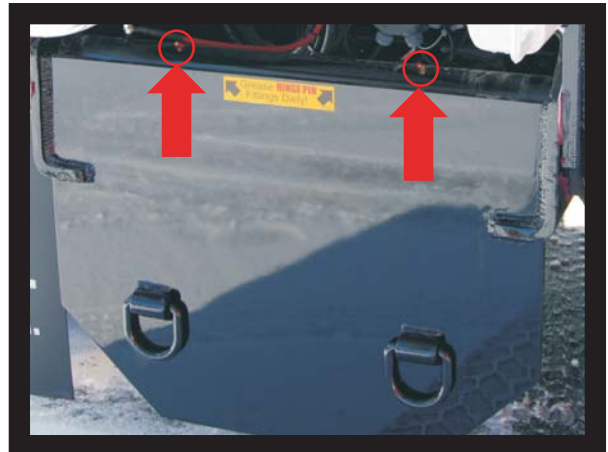
2. Single Body Lift Cylinder grease point (driver's and curbside)

Blower Drive Shaft



1. Front and Rear "U" joints & slip joint grease points (3 fittings)

Body Pivot Pin

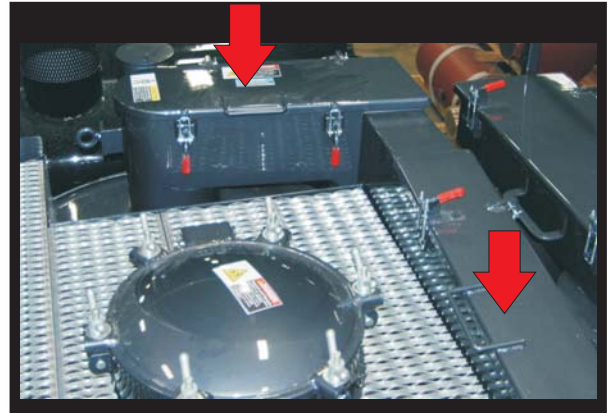


1. Body Pivot Pin grease points (2 fittings)

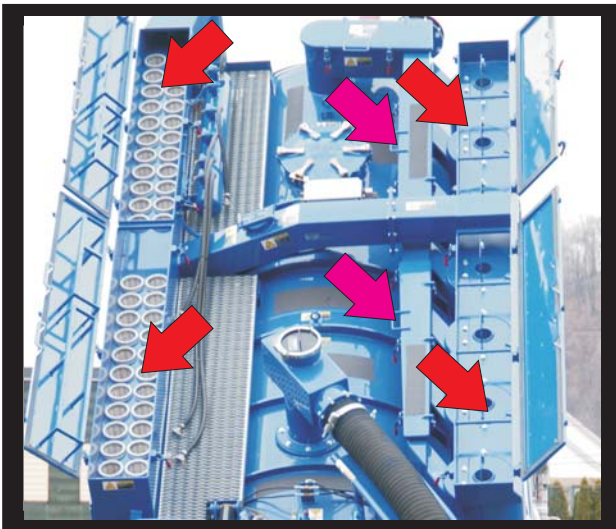
AIRPATH CHECK



1. **UNLATCH** lid on cannon
2. **REMOVE** access plug and check for obstructions, replace plug and **LATCH** lid



3. **UNLATCH** and **OPEN** air chute access covers, **CLOSE** and **RE-LATCH** after check



4. **UNLATCH** and **OPEN** air chute access covers, **CLOSE** and **RE-LATCH** after check
5. **UNLATCH** and **OPEN** Baghouse door, **CLOSE** and **RE-LATCH** after check
6. Check **ALL** chutes and access ports, **CLOSE ALL** covers and access ports securely after check.



7. 6" Crossover

AIRPATH CHECK



8. OPEN and check Cleanout, **CLOSE** securely after check



9. Check that latches are **tight** and **secure** on 20" manway



10. OPEN and check 8" Lower Forward Baghouse and cyclone cleanout
CLOSE securely after check



11. OPEN and check cleanout, **CLOSE** securely after check

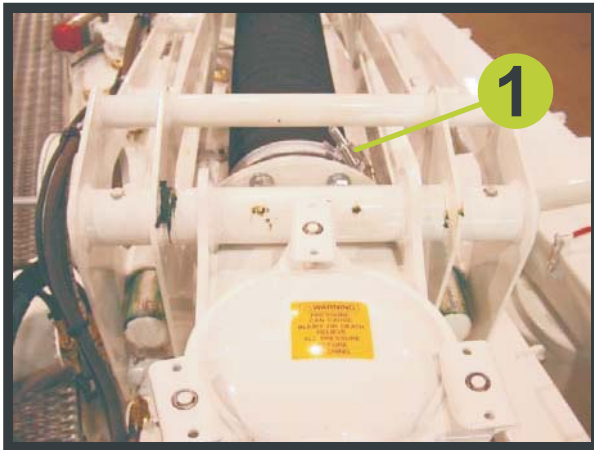
KEY SERVICE CHECKS, CONT'D.

B. FILTER BAG RESTRICTION TEST

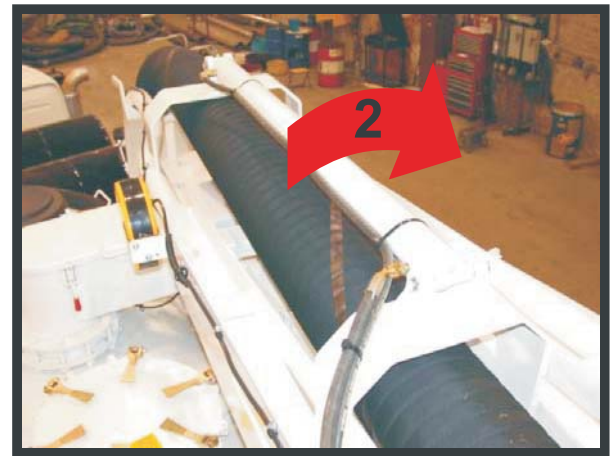
To Perform test:

1. Truck parked on level ground, Parking Brake **ON**, Truck running at **IDLE**
2. **MAKE SURE** Porthose is **OPEN!** (no caps, etc.) Follow procedure on Quickstart Card on Driver's side visor in cab
3. **CLOSE** Manual Vacuum Relief Valve
4. **MAKE SURE** Remote Vacuum Relief Valve is **CLOSED**
5. Throttle up to **1,600 RPMs** (On Blower Tach)
NOTE: If Vacuum Gauge reads 10" of Mercury, or higher, clean or replace Filter Bags!
NOTE: Filter Bags are Polypropylene, #GV20002, 40 required
6. **OPEN** Vacuum Break
7. Throttle **DOWN** to **IDLE** (On Blower Tach)
8. **DIS-ENGAGE BLOWER.** Follow procedure on Quickstart Card on Driver's side visor in cab

C. ROTATE PORTHOSE 1/4-TURN

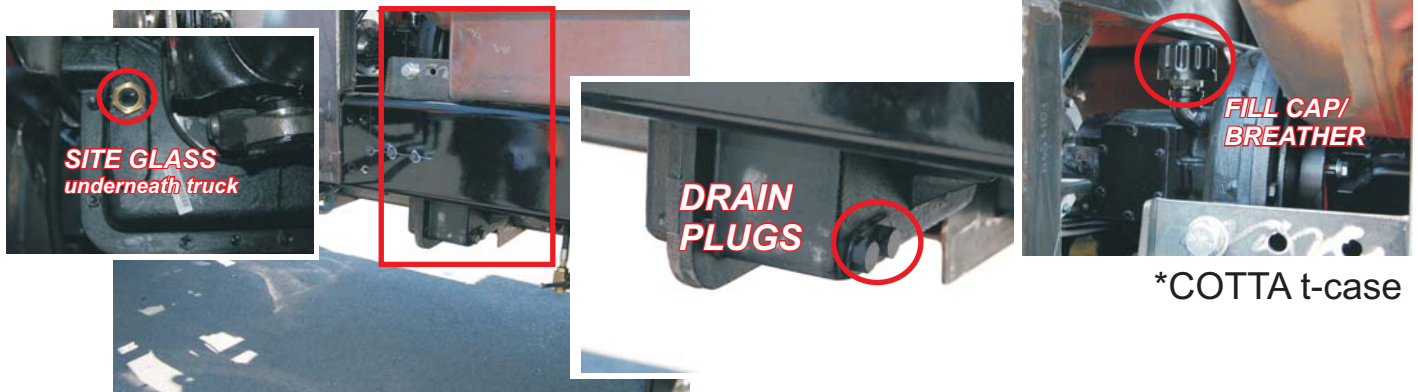


1. **LOOSEN** both hose clamps
3. **RE-TIGHTEN** hose clamps **SECURELY**



2. Rotate Hose 1/4 turn

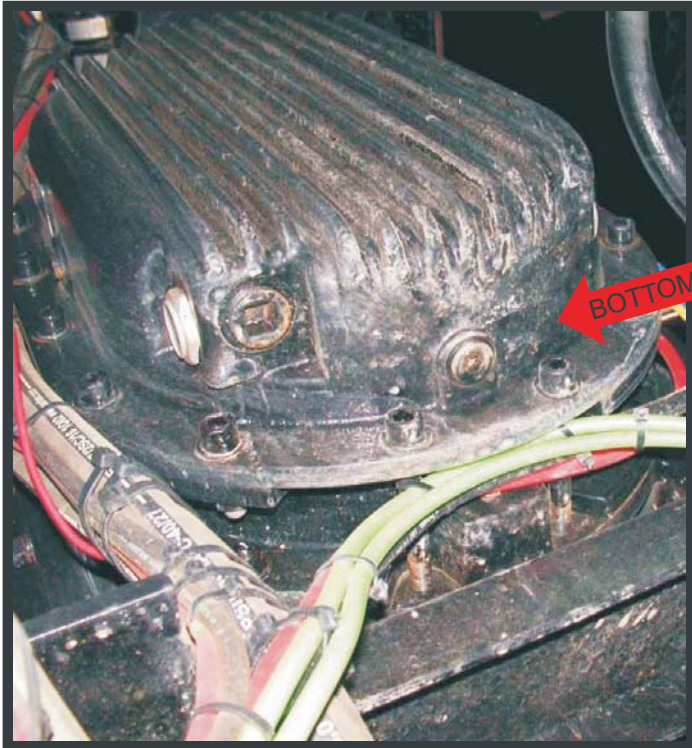
D. CHECK/CHANGE TRANSFER CASE OIL



1. Check Transfer Case fluid at sight glass
2. To change Fluid: a. **REMOVE** Drain Plug(S), drain fluid b. **RE-INSTALL** drain plug(s) making sure plug is tight c. Fill with 11 quarts Dextron III (refer to Fill cap)

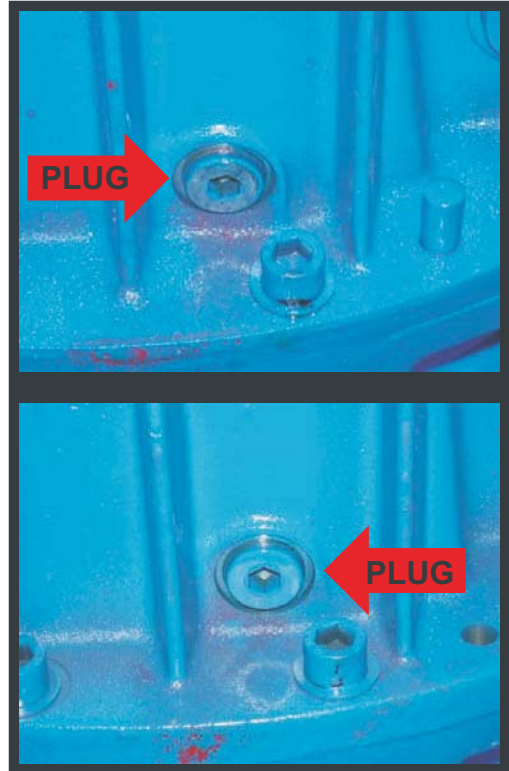
KEY SERVICE CHECKS, CONT'D.

F. CHECK/CHANGE BLOWER FLUID



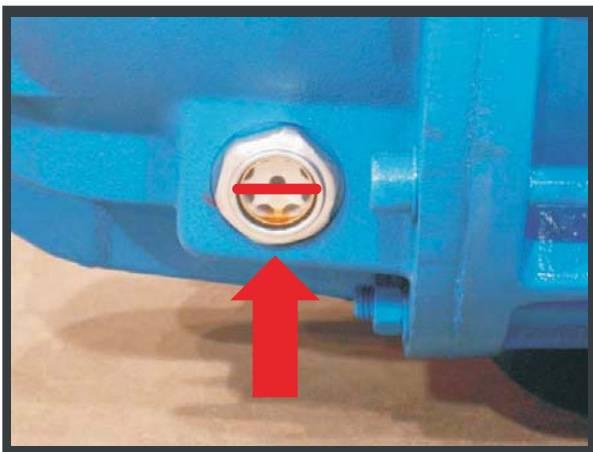
NOTE:

- A. Hibon SIAV 8702 V :
 - 3.0 Liter on Gear End
 - 3.0 Liter on Driven End



To change fluid:

1. REMOVE Front & Rear Drain Plugs from bottom ends of unit
2. Drain ALL Fluid
3. BE SURE the O-Rings on both Plugs are not damaged
4. RE-INSTALL Plugs, MAKE SURE they are tight
5. Fill Blower with EP-220 oil
6. Check Front & Rear Sight Glasses for proper fluid level (Center of Sight Glasses)

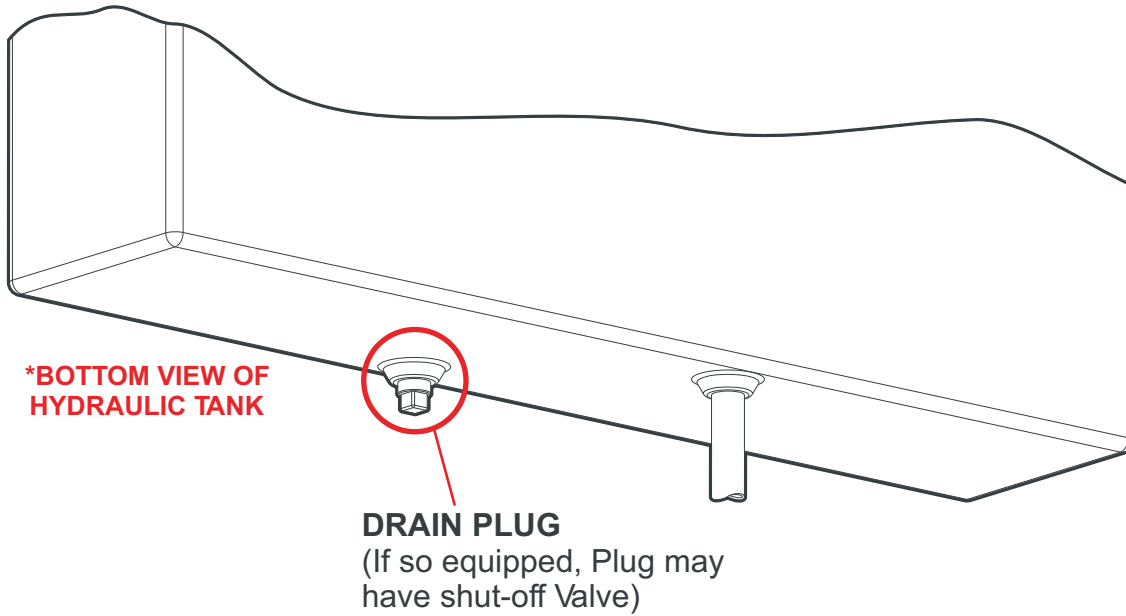


FRONT Sight Glass



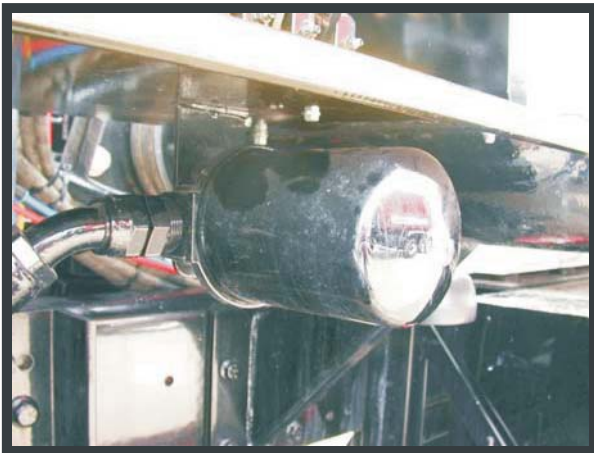
REAR Sight Glass

G. CHECK/CHANGE HYDRAULIC FILTER & FLUID

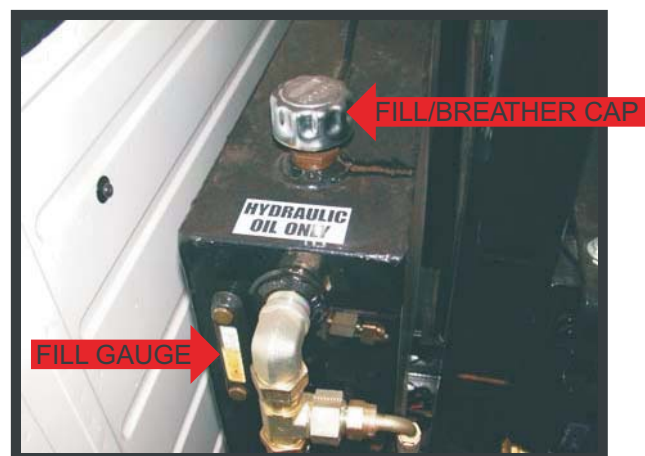


To change Fluid & Filter:

1. **REMOVE** Drain Plug
2. Drain **ALL** Fluid
3. **RE-INSTALL** Plug, **MAKE SURE** it is tight



5. **REMOVE** Filter Housing
6. Discard old Filter
7. Install new Filter (refer to production record in front of GapVax® Manual for Filter part number)
8. **RE-INSTALL** Filter Housing, **MAKE SURE** it is tight



9. Fill Hydraulic Tank with AW46 oil (45 gallons)
10. Check Fill Gauge for proper fluid level