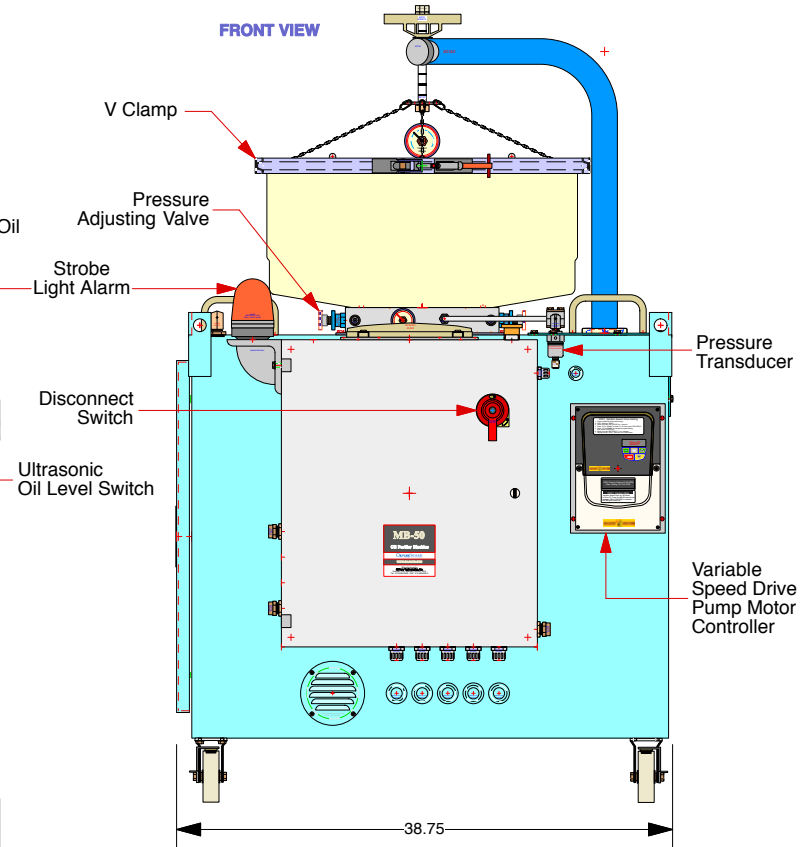
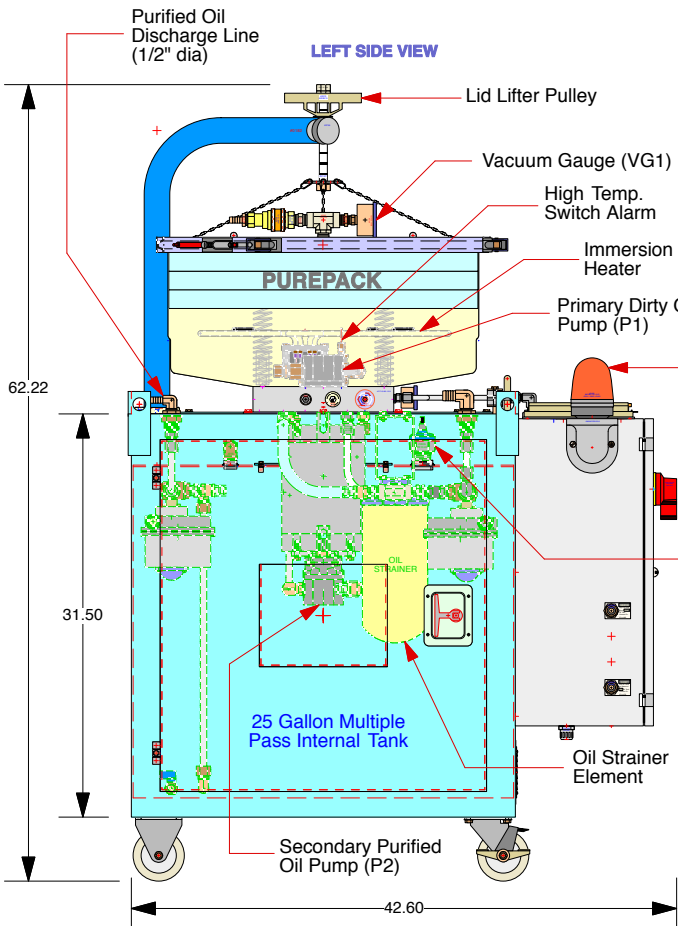
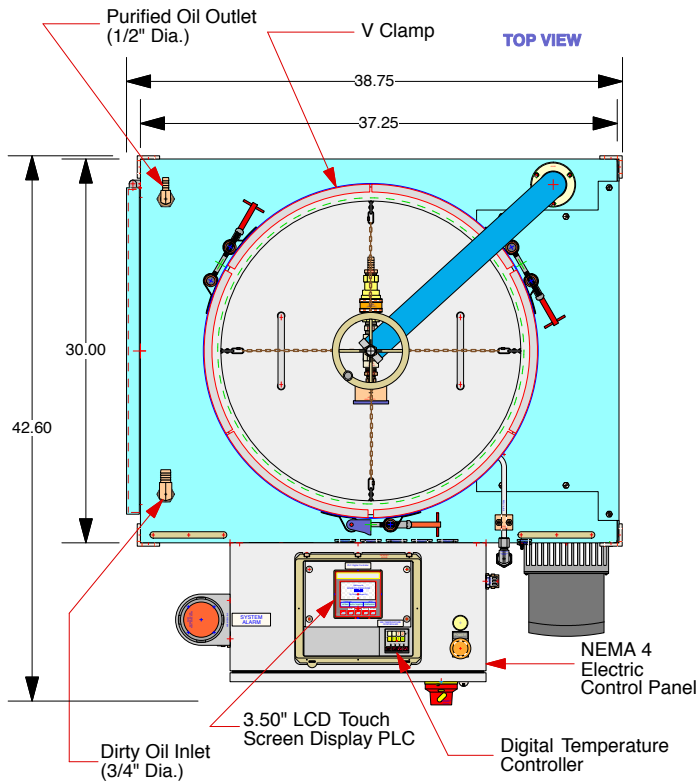
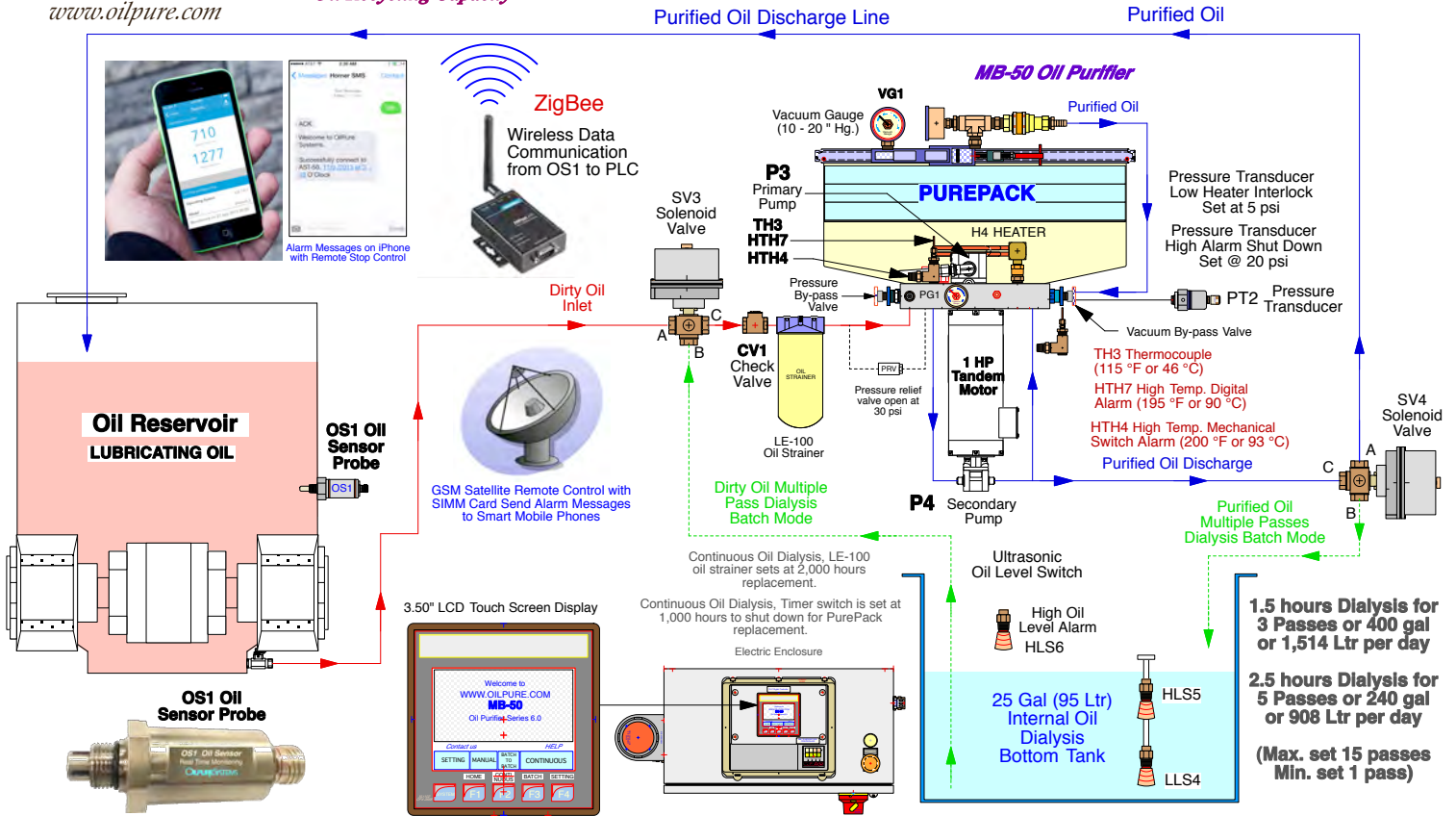


1. Particulate removal down to 1 to 3 micron or get ISO 17/14/11 to ISO 16/13/10 oil cleanliness.
2. Absorb emulsified water down to less than 100 ppm from max 1,500 ppm.
3. Remove oxidation by-products causing high acidity in Total Acid Number (TAN).
4. 30 to 50 GPH flow capacity with over 90% filtration efficiency.
5. Good for oil reservoir from 500 to 1,000 gal capacity.
6. Low operating pressure at 10 psi. Auto stop operation at 20 psi pressure or timer switch at 1,000 hours (6 wks).
7. **OS1 Oil Sensor** is an on-line oil condition monitoring device which continuously monitors oil degradation and disrupted water breakdown. When oil condition in the oil reservoir degrades to the alarming level, OS1 will send analog signal to PLC to display the new oil changing status.
8. OS1 Oil Sensor signal and **oil degradation data curve** can be stored for 3 months and downloaded to PC laptop computer through USB. Oil degradation will be monitored and displayed in a curve which indicates the lubrication quality.
9. **Oil Pressure Transducer** with **output analog signal** to control oil pressure with setting display on PLC touch screen display.
10. Immersion heater with digital temperature control and built-in thermostat high temperature **mechanical** alarm shut down.
11. **Variable Speed Drive Control pump motor** with **analog signal** for motor soft start long life and automatic oil pressure control.
12. Dual oil purification in both **Batch-to-Batch Oil Recycling** Operation and **Continuous Oil Dialysis Operation** with Built-in multiple pass internal 25 gal oil tank.
13. **Ultrasonic non contact oil level switches** with **analog signal** for internal tank control to prevent malfunction from excess oil contamination.
14. 3.5" LCD digital touch screen display for operational messages with NEMA 4 enclosure.
15. Automatic operation by **Programmable Logic Control (PLC)** with **Micro SD memory** card.
16. Network switch ready to integrate with VJ-150N Vacuum Jet Dehydrator Unit to become a powerful AST-50 Oil Recycling Machine.
17. Dry weight is about 850 pounds (386 kgs).
Dimension 38.75" W x 42.60" L x 62" H with 24" dia PurePack Pot size.
18. 380VAC-3ph or 480VAC-3ph-50/60 hz electrical power.
19. Optional **GSM wireless remote control** that can send alarm in SMS text message up to 30 mobile phones with 4 level of security passwords. MB-50 operation can be remotely operated by mobile phone by sending SMS text message codes to turn on or turn off the MB-50.



Specifications are subject to change without notice.

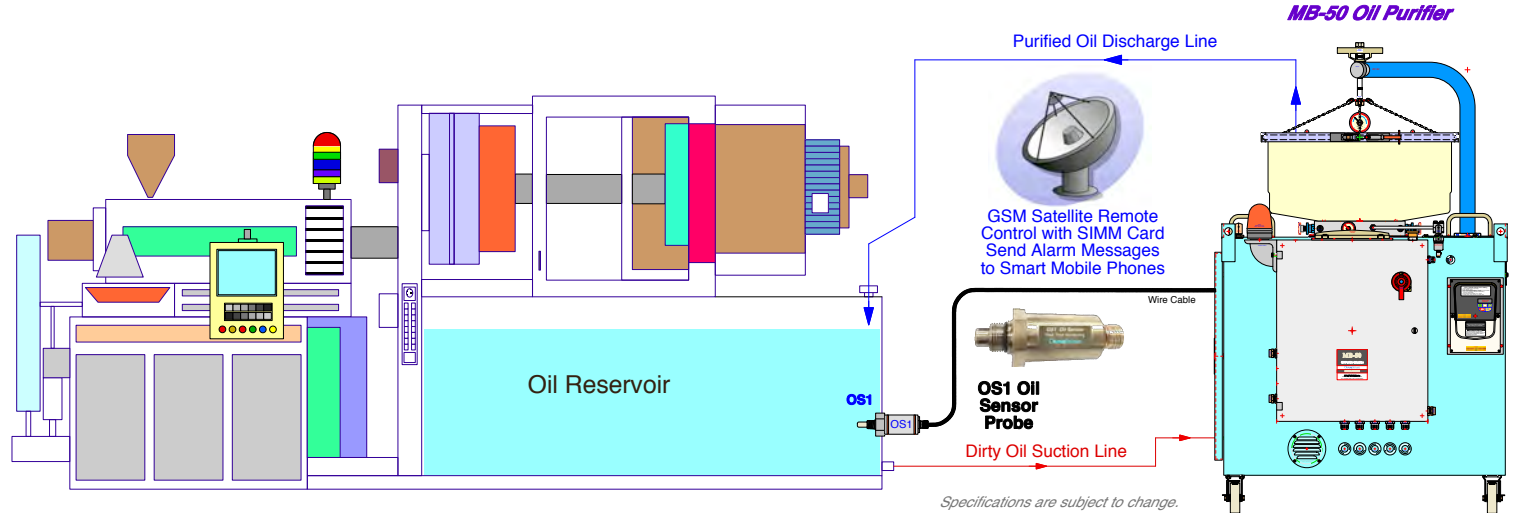
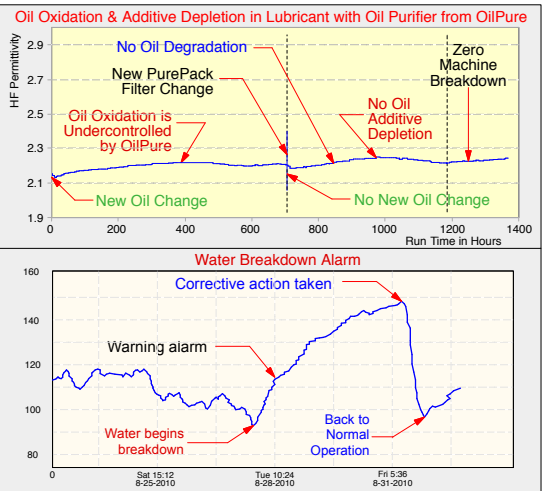
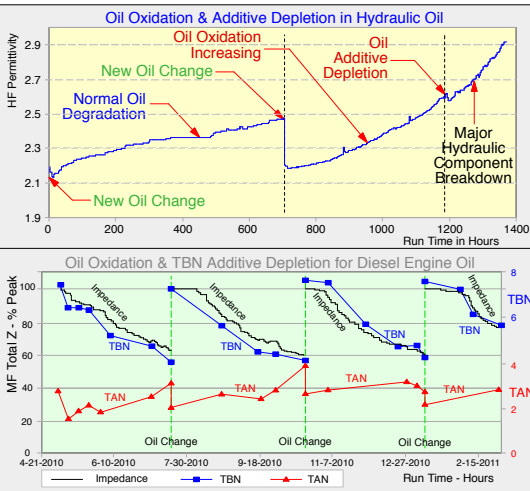


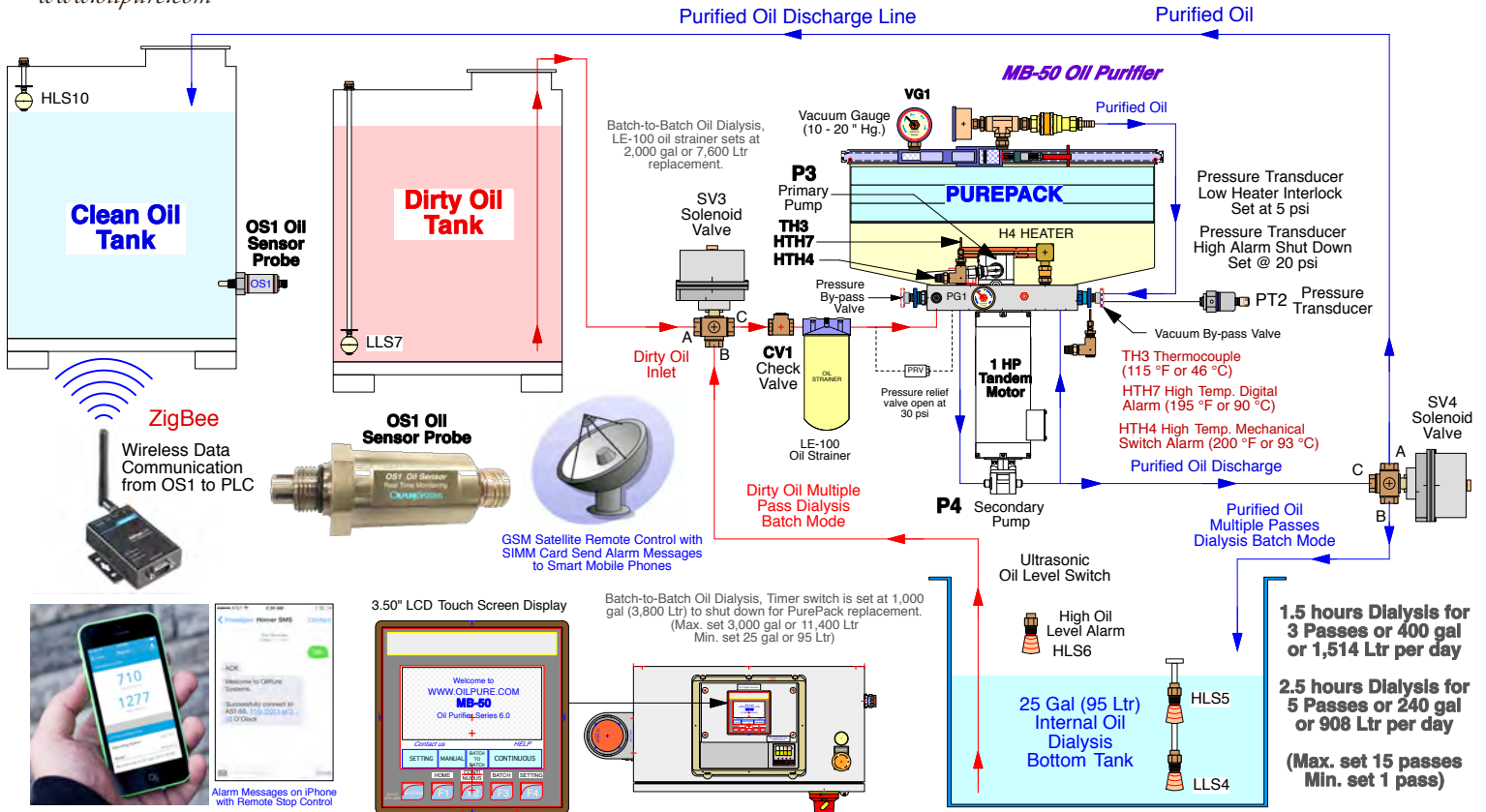
OS1 Oil Sensor Alarm Warning Conditions

1. Oil Contamination Alarm such as fuel dilution, coolant leakage etc.
2. Sensor detects abnormal reading in the oil such as oil oxidation, excessive water, oil additive depletion etc.
3. Oil level in equipment oil reservoir is lower than usual.
4. Excessive water breakdown alarm.
5. Corrective time of new oil replacement, rather than waiting for oil analysis result which can be too slow and complicated for decision.

Oil Degradation Curve Reading from OS1 Oil Sensor that monitors lubrication quality. This signal can activate PLC to send warning alarm to central control operation.

Each lubrication will show different oil degradation curve. History data of oil degradation should be collected for 3 month period in order to obtain the oil contamination & degradation base line.



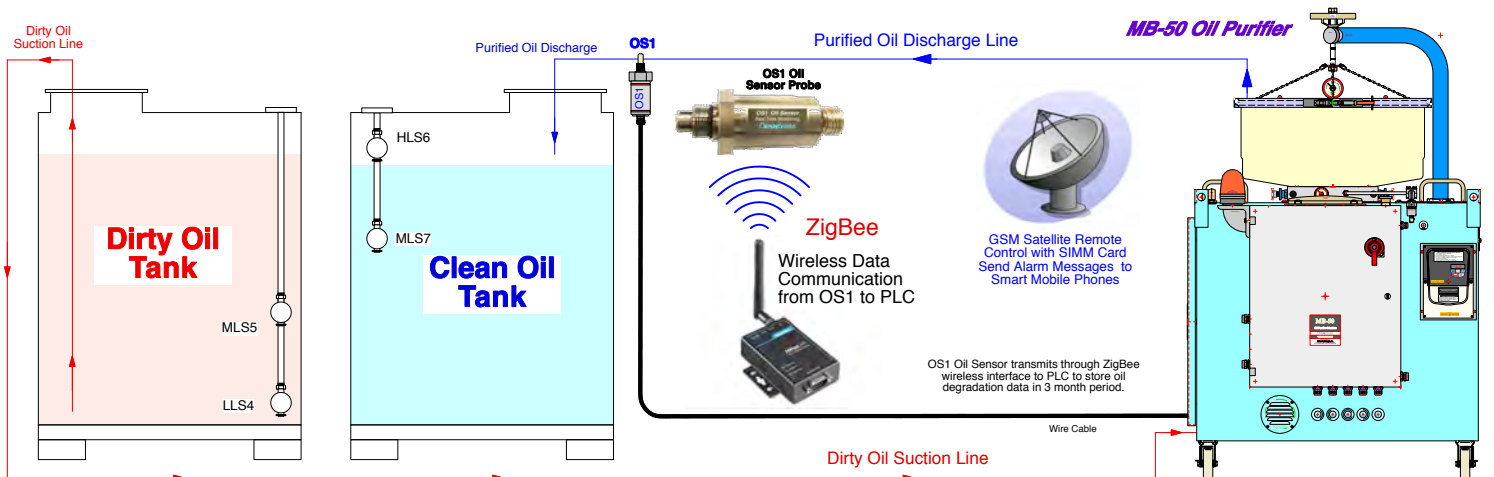
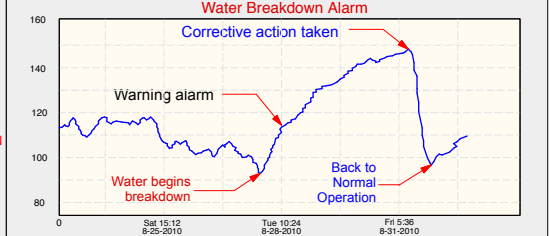
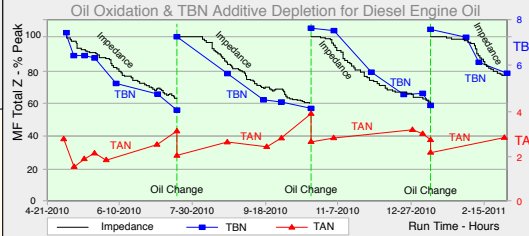
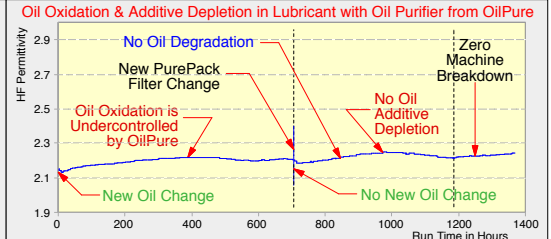
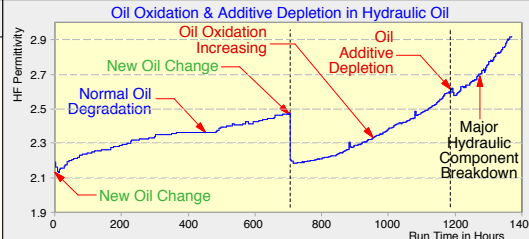


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