



Monolec® Tetra-Syn™ Engine Oil (8531)

Peterson Farms – Shelby, Michigan

Propane-Powered Forklifts

- Extended drains from 150 hours to more than 500 hours
- Reduced make-up oil by 50 percent
- Reduced oil going to waste stream

Customer Profile

Peterson Farms is the largest privately owned fruit processor in Michigan. Its state-of-the-art fresh cut facility produces more than 150 million pounds annually of fresh and frozen fruit and more than 7 million gallons of single strength juice and juice concentrates. The company specializes in apples, cherries, blueberries, peaches and plums. Peterson Farms has been in business since 1984 and has been an LE customer since 2013.

Application

The company uses propane-powered forklifts for a variety of needs in its operation, from field to freezer.

Challenge

The organization was interested in moving toward more condition-based maintenance and best management practices.

LE Solution

Greg Klang, LE lubrication consultant, recommended Monolec® Tetra-Syn™ Engine Oil (8531) for the company's forklifts.

Monolec Tetra-Syn 8531 is full synthetic, high-performance SAE 5W-30 engine oil with proprietary additive package. Designed for use in vehicles with gasoline engines, this premium engine oil offers resource-conserving fuel economy, protects emissions systems, keeps engines clean and keeps deposits to a minimum.



It keeps engines running for longer periods while safely extending the time between oil changes.

Results

The performance of the new oil is much better than what Peterson Farms had been using before the change. Original drains on the forklifts were loosely scheduled around 150 hours. Using LE's oil analysis program to verify the new oil's condition, the company was able to safely extend the drains to 500 hours (and still going strong as of this writing). Make-up oil has been reduced by 50 percent.

This extended service life has helped the company significantly reduce lubricant purchases and reduce oil going into the waste stream – an important part of its best management practices and goal to reduce the company's carbon footprint.



Other LE Products Used

Truck Shop

- BTU+ Total Treat (2410) – LE has since replaced with Full Torque Diesel Fuel Improver (2411)
- L-X® Heavy Duty Chemical Supplement (2300)
- Monolec Ultra® Engine Oil (8800)
- Monolec® Gear Lubricant (703)
- Monolec® Power Fluid (7500)
- Monolec® Syn All-Climate Gear Lubricant (9919)
- Monolec® Syn Multi-Vehicle ATF (1150)
- Full-line fluid reliability room & dispensing system with:
 - o Oil storage containers, ID labels/tags & color-coded wall chart
 - o Lubricant bulk storage with desiccant breathers
 - o New pumps & hose reels
- Oil analysis program – used to determine proper drain intervals.



Additional Products Used throughout the Facility

- H1 Quinplex® Food Machinery Lubricant (4025) – aerosol
- H1 Quinplex® Penetrating Oil & Lubricant (4059) – aerosol
- H1 Quinplex® Synthetic Food Grade Oil (4032)
- H1 Silicone Spray (804)
- Monolec® Hydraulic Oil (6520)
- Syntemp® Synthetic Lubricant (9102)

Thank you to Matt Hagstrom & Mark Peppin, fleet managers, and Greg Klang, LE lubrication consultant (pictured), for providing the information used in this report.



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Based on actual user experience. Individual results may vary. Not intended to supersede manufacturer specifications.

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