
Lubrication Engineers News

LEADERS IN LUBRICANTS

Hydraulic Problems

Sluggish operation

Mid-day fading

Overheating - hot to the touch!

Leaks! Losing lots of oil is usually from buying cheap oil which causes leaks.

High wear, short equipment life - servo-valves, pumps, motors

Oil darkens and oxidizes rapidly (high TAN or total acid number)

Corrosion of yellow metal (brass, bronze) parts on axial piston pumps due to additives

Cold temperature problems

Chattering

Short oil life

Hydraulic Solutions

Use a technologically advanced hydraulic oil from Lubrication Engineers, Inc.

Cooler operation, lower operating temperatures (why? reduced friction)

Energy savings (less friction = more efficient)

Elimination of leaks from hoses and seals (oil formulated to be gentle on rubber)

Very long oil life. Often 10 years or more (lower wear metals, oil not oxidized as much due to lower operating temperatures)

Less make up oil (due to the end of leaks and spills)

Less replacement oil (oil lasts longer) + less used oil to dispose of (oil lasts longer)

Longer life for hydraulic pumps and motors (lower friction and wear) + no copper corrosion

LE Products (all are AW for anti-wear) Viscosity Grade:

	<u>15</u>	<u>22</u>	<u>32</u>	<u>46</u>	<u>68</u>	<u>100</u>
MONOLEC [®] Hydraulic Oil	6115	6105		6110	6120	
MONOLEC [®] 5W-20 Multi-Grade hydraulic oil			6520			
MULTILEC [®] Industrial Oil			6801	6802	6803	6804
LOW TOC [®] 15 Hydraulic Oil (inherently biodegradable)			6601	6602	6603	6604
MONOLEC [®] Synthetic Industrial Oils			9032	9046	9068	9100
QUINPLEC [®] White Oil (registered as NSF H-1)				4010	4020	4030
QUINPLEX [®] Synthetic Food Grade Oil (registered as NSF H-1)				4046		
All Purpose Hydraulic Oil (great performance, lower price)			4932	4933	4934	

For wide temperature ranges, or to consolidate inventory, use **6520 MONOLEC[®] hydraulic oil** to replace AW 32 and 46. LE's 6520 is an SAE 5W-20 hydraulic oil with good low temperature capabilities.

Food plants: the above meet the requirements of USDA H-2, where no contact with food is possible or as indicated NSF H-1 rating where food contact is possible.

Best for Low Temp: **6115** (-80°F/-62°C), **9032** (-65°F/-54°C), **9046 & 9068** (-49°F/-45°C)
6520 (-40°F/40°C).

