

THE QA HYDRAULIC OIL RANGE

HYDRAULIC OILS

Protection. Performance.
The right fluid for your operation.



Premium AW / High VI / Zinc Free
Synthetic & Partial Synthetic / Food Grade
Biodegradable / Fire Resistant

QA PRODUCT SPOTLIGHT

Built for demanding hydraulics.



QA Premium AW Hydraulic Oil

High-grade virgin mineral oils with an anti-wear additive package for severe industrial hydraulic service, including high-pressure pumps and precision CNC equipment. [1]

Performance: Wear protection, thermal and oxidation stability, water separation, rust protection and reduced filter-blockage tendency.

ISO grades: 22 / 32 / 46 / 68 / 100 / 150 / 220

The PDS states the oils are manufactured to meet requirements including Denison HF-0/HF-1/HF-2, Eaton-Vickers I-286-S/M-2950-S and DIN 51524 Part 2. [1]

QA Premium Multi-Vis AW

HIGH VI + ZINC-FREE ANTI-WEAR CHEMISTRY

High-quality base oils and ashless, zinc-free additives for gear, piston and vane pumps. High VI helps manage changing temperatures, particularly cold starts. The PDS also highlights water separation and corrosion protection. [2]

ISO GRADE	32	46	68
Typical viscosity index	165	163	156

Typical values from QA PDS dated February 2018; values are not specifications. Confirm current product data and equipment suitability.

SPECIALTY FLUID OPTIONS

Match chemistry to the job.

High VI and zinc-free properties describe performance and additives; they do not by themselves establish food-grade, biodegradable or fire-resistant suitability.



Food Grade

FOOD PROCESSING & PACKAGING

Select an appropriate NSF H1 registered hydraulic lubricant where incidental food contact may occur. Mobil SHC Cibus is one example with hydraulic applications, wear protection and high/low-temperature performance. H1 is for incidental contact only. [3]

Biodegradable

ENVIRONMENTALLY SENSITIVE AREAS

Consider documented biodegradable hydraulic fluids for forestry, agriculture, marine and outdoor equipment. Synthetic ester options such as Shell Naturelle combine lubrication performance with ready biodegradability. Confirm the exact environmental claims and system suitability. [4]

Synthetic

TEMPERATURE & FLUID LIFE

Synthetic hydraulic formulations can offer wide-temperature performance, oxidation resistance and shear stability. Mobil SHC 500 is one example for high-pressure vane, piston and gear pumps. Select by documented performance and compatibility. [5]

Partial Synthetic

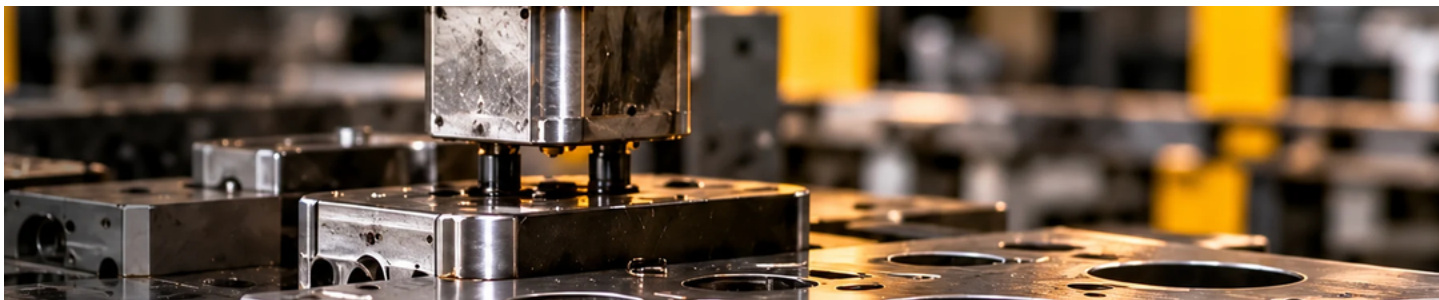
BALANCED FORMULATION OPTIONS

Partial synthetic (semi-synthetic) options can suit specified hydraulic applications. For example, Mobil Delvac Modern All Season Trans Fluid serves heavy equipment requiring TO-4/TO-4M type fluids. This is a different requirement from a general industrial AW oil; match the exact specification. [6]

Product examples explain fluid categories; they do not establish equivalent properties or approvals for every QA product. Availability and registrations are product-specific.

FIRE-RESISTANT HYDRAULICS

Fluid choices for heat exposure.



For operations near hot surfaces, flames or molten metal, match the fluid to the fire-risk assessment and the equipment manufacturer's requirements. Two distinct approaches are outlined below. [7, 8]

Water-free ester

HFD-U / QUINTOLUBRIC 888

QUINTOLUBRIC 888-46 and 888-68 are synthetic polyol ester fluids designed for fire-risk applications. They contain no water, mineral oil or phosphate ester. Their lubrication and shear-stability performance supports demanding hydraulics. Confirm the exact product's fire-resistance approval, seals and conversion procedure. [7]

Water-glycol

HFC / QH HOUGHTOSAFE

QH HOUGHTOSAFE 620 EP is a water-glycol fluid for high fire-hazard applications, including die casting and metal-processing equipment. Use as supplied. Any in-service adjustment with deionized water should follow Quaker Houghton laboratory recommendations. Confirm pump suitability and the maintenance plan. [8]

LET QA MATCH YOUR APPLICATION

Bring your equipment specification, ISO grade, operating temperatures and current fluid. Confirm seals, hoses and a conversion plan before changing fluid families.

1.877.877.6221

info@qalube.com | www.qalube.com

TECHNICAL REFERENCES / CLICK TO OPEN

[1-2] QA Premium AW & Multi-Vis AW PDS, 02/18

[3] Mobil SHC Cibus

[4] Shell Naturelle / Tellus FAQ

[5] Mobil SHC 500

[6] Mobil semi-synthetic heavy-equipment fluids

[7] Quaker Houghton fluid range

[8] QH HOUGHTOSAFE 620 EP TDS