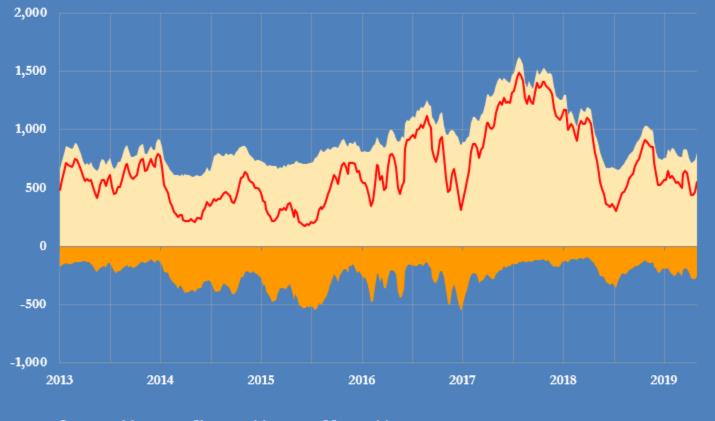
CFTC and ICE commitments of traders reports Selected indicators

JOHN KEMP REUTERS Data for the week ending 29 Oct 2019 Hedge funds raised net long position in petroleum complex by +87 million bbl to 546 million bbl (longs +62mn, shorts -25mn)

Money managers' total long and short positions in Brent, WTI, U.S. gasoline, U.S. heating oil and European gasoil (million bbl)

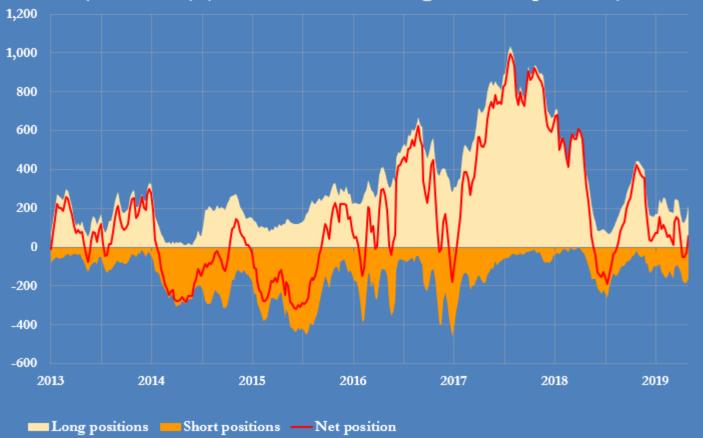


Long positions – Short positions – Net position

Source: U.S. Commodity Futures Trading Commission, ICE Futures Europe

Hedge funds are running a dynamic net long position (minus structural long and short elements) of 56 million bbl

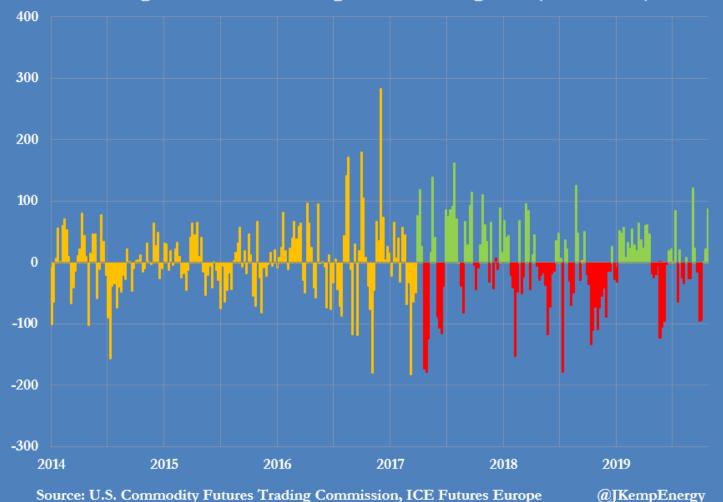
Money managers' total long and short positions in Brent, WTI, U.S. gasoline, U.S. heating oil and European gasoil (million bbl) (minus "structural" long and short positions)



Source: U.S. Commodity Futures Trading Commission, ICE Futures Europe

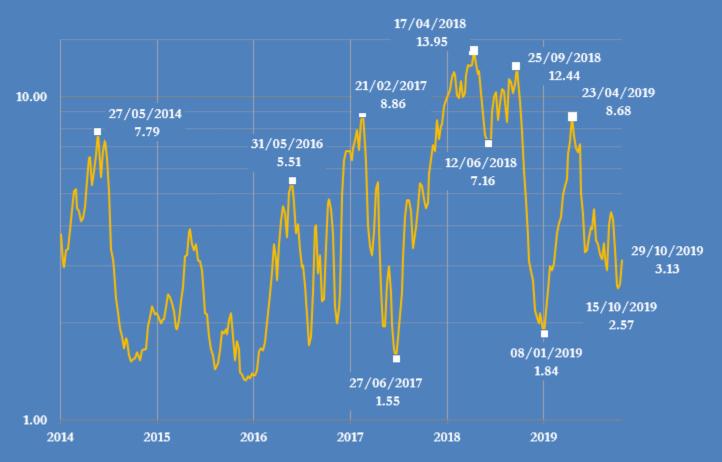
Hedge funds have raised net long position in petroleum for two weeks by +109 million bbl, after cutting it -206 million over prior three weeks

Money managers' weekly net position change in Brent, WTI, U.S. gasoline, U.S. heating oil and Euro gasoil (million bbl)



Hedge fund ratio of long to short positions in petroleum rose to 3.13 from 2.63 the prior week and a recent low of 2.57 on Oct 15

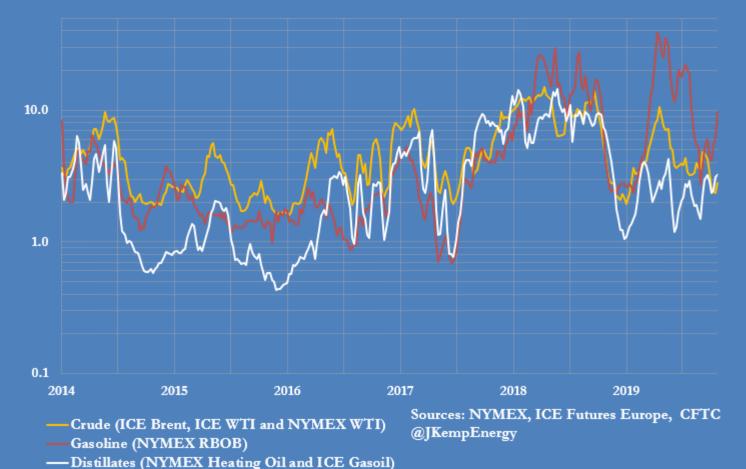
Ratio of money manager long to short positions in petroleum (Brent+WTI+gasoline+heating oil+ gasoil) (*log-scale*)



Source: U.S. Commodity Futures Trading Commission, ICE Futures Europe

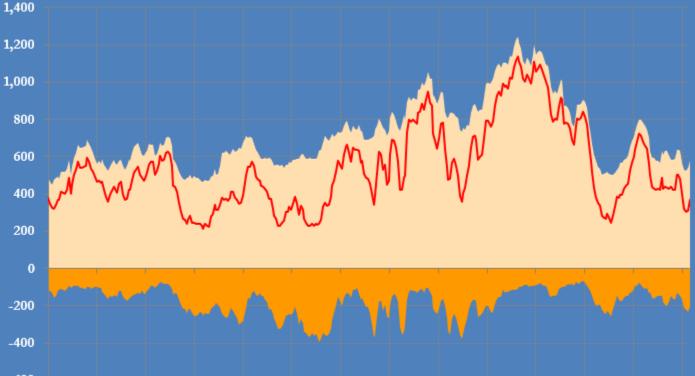
Hedge funds boosted the ratio of long to short positions in all sectors of the petroleum complex but especially in gasoline

Ratio of money managers' long to short positions in crude, gasoline and middle distillates, 2014-2019 Brent, WTI, RBOB, U.S. heating oil and European gasoil, semi-log scale



Hedge funds raised combined net long position in Brent+WTI by +59 million bbl to 370 million bbl (longs +37mn, shorts +22mn)

Money managers' long and short positions in the three main crude oil futures and options contracts (million barrels) (NYMEX WTI, ICE WTI and ICE Brent)



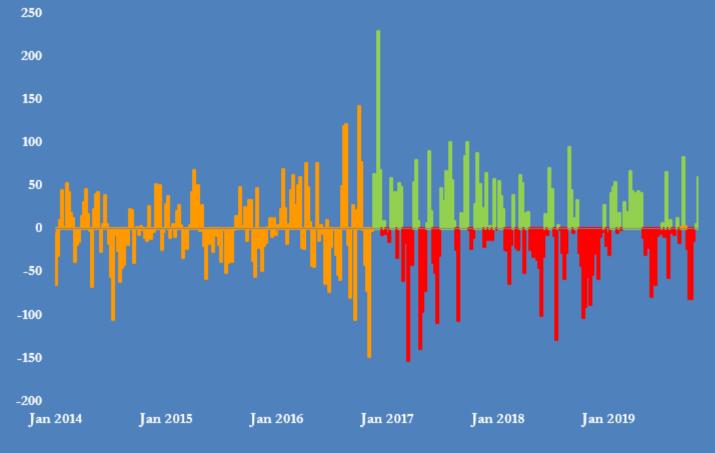
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Gross Long Positions Gross Short Positions Net Long (+) or Short (-) Position

Source: CME Group, ICE Futures Europe @JKempEnergy Hedge funds have raised combined Brent+WTI net long position +64mn bbl in last two weeks after cutting it -200 million over previous four wks

> Money managers' net long position in Brent+WTI Combined NYMEX +ICE, weekly change, million bbl



Source: US Commodity Futures Trading Commission, ICE Futures Europe @JKempEnergy Hedge funds' ratio of long to short positions in Brent+WTI rose to 2.78 from a low of 2.35 the prior week



Source: US Commodity Futures Trading Commission, ICE Futures Europe @JKempEnergy Hedge funds raised net long position in ICE Brent by +46 million bbl to 254 million bbl (longs +37mn, shorts -9mn)



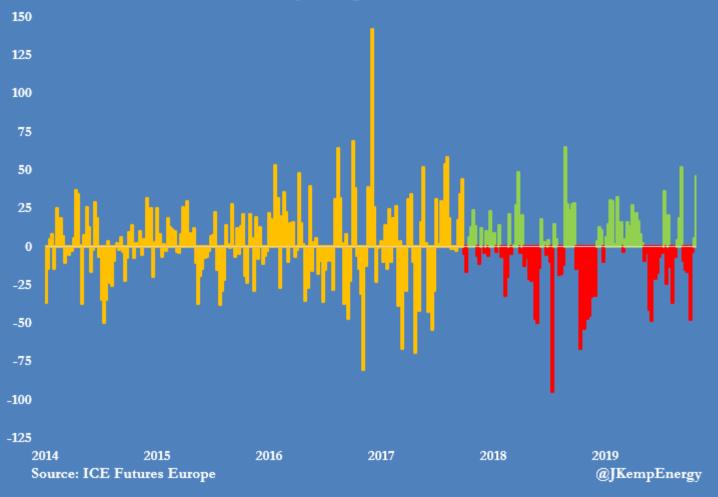


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Gross Long Positions Gross Short Positions Net Long (+) or Short (-) Position

Source: ICE Futures Europe @JKempEnergy Hedge funds raised net long position in Brent by +51 million bbl in the last two weeks after cutting it by -91 million bbl over previous five weeks

Money managers' net long position in Brent weekly change, million bbl

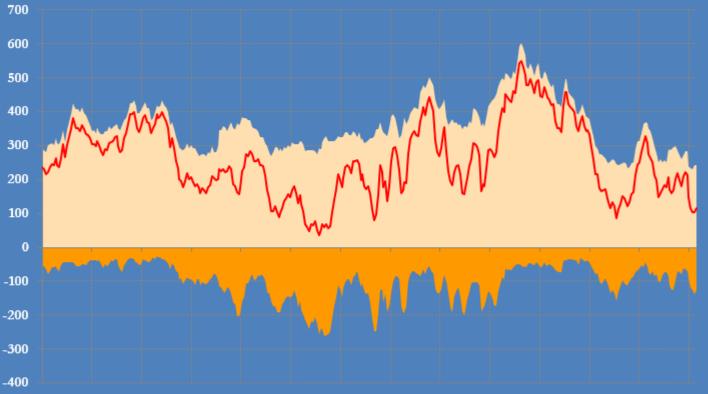


Hedge fund ratio of long to short positions in Brent rose to 4.11 from 3.29 the prior week and a recent low of 3.20 on Oct 15



Source: ICE Futures Europe @JKempEnergy Hedge funds raised net long position in NYMEX+ICE WTI by +13 million bbl to 116 million bbl (longs unchanged, shorts -13mn)

Money managers' long and short positions in WTI futures and options contracts (million barrels) (NYMEX WTI and ICE WTI)

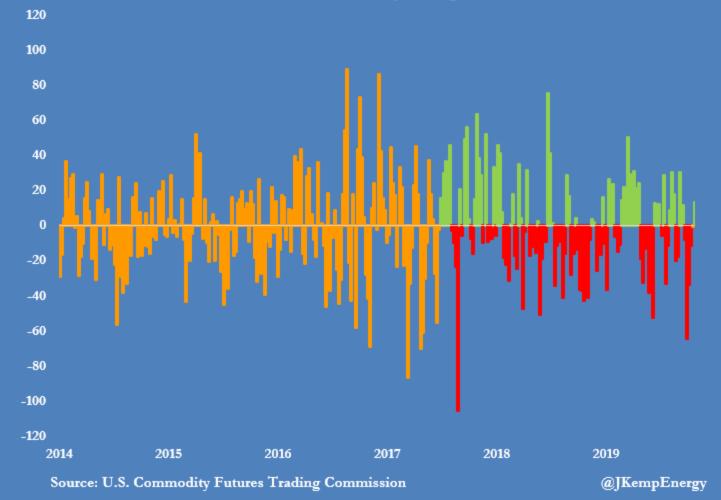


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Gross Long Positions Gross Short Positions —Net Long (+) or Short (-) Position

Source: CME Group, ICE Futures Europe @JKempEnergy Hedge funds raised net long position in NYMEX+ICE WTI by +13 million bbl after cutting it by -118 million bbl over four weeks

Money managers' combined net long position in NYMEX+ICE WTI, weekly change, million bbl



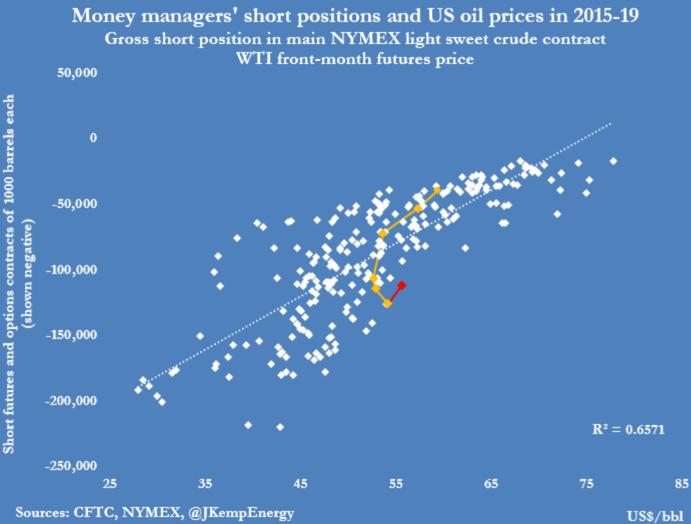
Hedge fund ratio of long to short positions in NYMEX+ICE WTI rose to 1.92 from a recent low of 1.74 the prior week

> Ratio of money managers' long to short positions in NYMEX and ICE WTI *(log scale)*



Source: US Commodity Futures Trading Commission @JKempEnergy

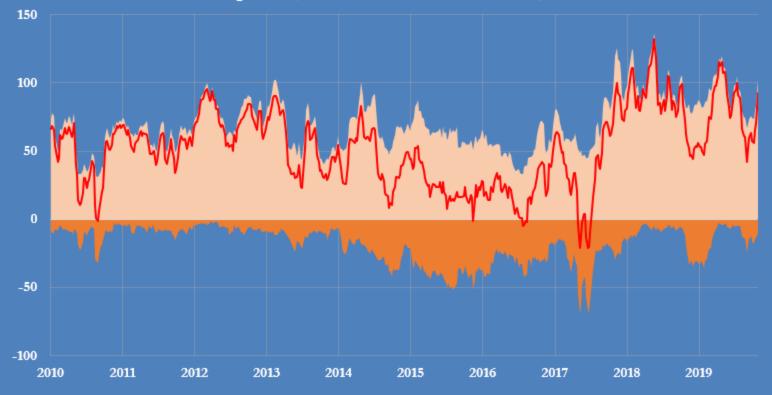
Hedge funds started to reduce large short position they had accumulated in NYMEX WTI since mid-Sep



Current value highlighted in red, prior value in orange

Hedge funds raised net long position in NYMEX gasoline by +23 million bbl to 92 million bbl (longs +20mn, shorts -3mn)

Money managers' long and short positions in New York gasoline futures and options, NYMEX RBOB contract, million barrels



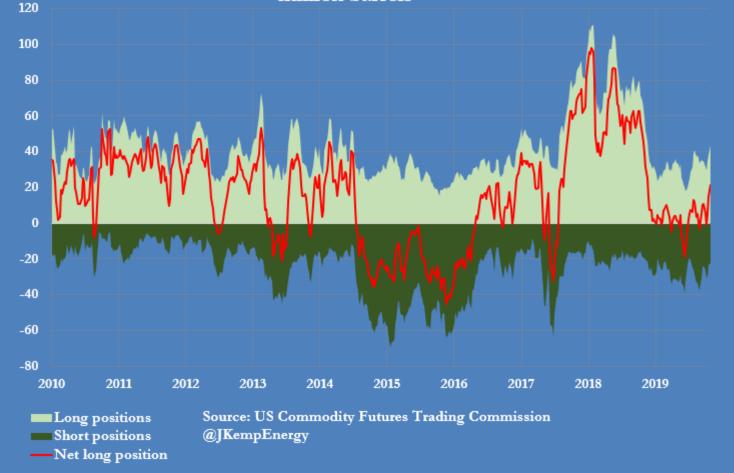
Long positions Short positions Net long position Source: US Commodity Futures Trading Commission @JKempEnergy Hedge fund ratio of long to short positions in gasoline rose to 9.69 from 6.17 the prior week and a recent low of 2.68 on Sep 3



Source: US Commodity Futures Trading Commission @JKempEnergy

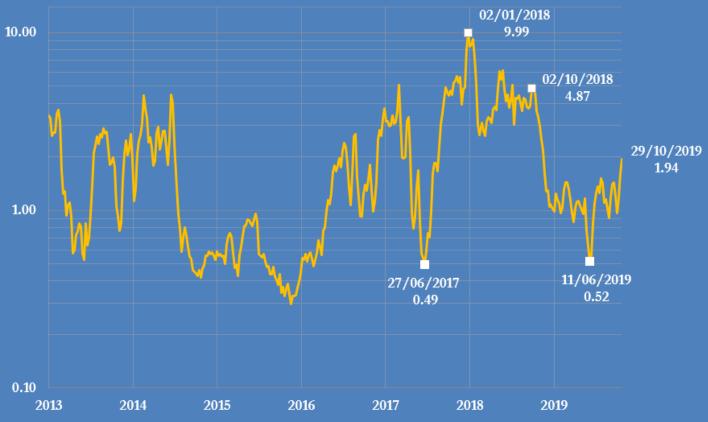
Hedge funds raised net position in NYMEX heating oil by +7 million bbl to 21 million bbl (longs +6mn, shorts -1mn)

Money managers' long and short positions in New York heating oil futures and options, NYMEX #2 heating oil, million barrels



Hedge fund ratio of long to short positions in heating oil rose to 1.94 from 1.61 the prior week and recent low of 0.96 on Oct 8

Ratio of money managers' long to short positions in New York #2 heating oil futures and options (log scale)



Source: US Commodity Futures Trading Commission @JKempEnergy

Hedge funds cut net long position in ICE gasoil by -0.26 million tonnes to 8.41 million tonnes (longs -0.08mn, shorts +0.18mn)

Money managers' long and short positions in ICE gasoil futures and options (million tonnes)



Gross Long Positions Gross Short Positions —Net Long (+) or Short (-) Position

Source: ICE Futures Europe @JKempEnergy Hedge fund ratio of long to short positions in gasoil fell to 5.12 from 5.65 the prior week but still well up from a recent low of 2.16 on Sep 3

Ratio of money managers' long and short positions in ICE gasoil futures and options (*semi-log scale*) 22/05/2018 128.78 100.00 19/05/2015 14.08 18/04/2017^{35.29} 16.88



Source: ICE Futures Europe @JKempEnergy