

Additives and Base Stocks

Tractor Additive	Description
VCS 4910	Economy UTTO Ag Fluid
VCS 4911	Economy+ UTTO Ag Fluid (J20A)
VCS 40100	Premium UTTO (J20C & J20D)

Hydraulic Additive	Description
VCS 10001	Premium AW Hydraulic
VCS 10004	Premium AW Hydraulic
VCS 10010	Premium Hydraulic
VCS 10030	Premium Hydraulic (Vegetable oil/ester stocks/FR Fluids)
VCS 10050	Ashless AW Package for Industrial Hydraulic and Compressor Oils
VCS 10498	Turbine - R&O Hydraulic

PCMO/HDEO Additive	Description
VCS 2001	Cascade PCMO/HDEO SN/CI-4
VCS 20030	PCMO SQ/GF7
VCS 20110	Euro ACEA '16 A3/B4, VW 501.01/505.00
VCS 20120	Euro ACEA '16 C2/C3, VW 504.00/507.00
VCS 20130	Euro ACEA '16 A3/B4/E7, VW 505.00, MA-1/MA-2
VCS 20140	Euro ACEA '16 C2/C3, A5/B5, VW 502.00/505.01
VCS 30010	HDEO CK4

Gear Additive	Description
VCS 801	MT-1/LS Booster
VCS 80010	Gear Additive - GL5
VCS 80020	Gear Additive - GL5/MT-1/LS

Grease Additive	Description
VCS 8900	Grease Additive - EP & AW
VCS 8910	Grease Additive - Ashless EP

NGEO Additive	Description
VCS 90010	Premium NGEO Low Ash

TO-4 Additive	Description
VCS 90020	TO4 Additive

Viscosity Modifier Improver	Description
VCS 5016-L	Liquid 16 SSI VI
VCS 5024-L	Liquid 24 SSI VI
VCS 5035-L	Liquid 35 SSI VI
VCS 5050-L	Liquid 50 SSI VI
VCS 50016-B	Pellets 16 SSI
VCS 50024-B	Pellets 24 SSI
VCS 50035-B	Block 35 SSI

Varnish Removal	Description
VCS SE1	In-service varnish removal fluid
VCS SE2	Filtration-assisted system cleaner

Group II	Description
70 SN	Refined mineral base oil
100 SN	Refined mineral base oil
220 SN	Refined mineral base oil
600 SN	Refined mineral base oil

Group III	Description
2 cSt	Premium base oil
3 cSt	Premium base oil
4 cSt	Premium base oil
6 cSt	Premium base oil
8 cSt	Premium base oil

PAO	Description
PAO 2	Polyalphaolefin
PAO 4	Polyalphaolefin
PAO 6	Polyalphaolefin
PAO 8	Polyalphaolefin
PAO 10	Polyalphaolefin
PAO 40	Polyalphaolefin
PAO 100	Polyalphaolefin

White Oils	Description
WO70	Refined white mineral oil
WO300	Refined white mineral oil

Gas To Liquids	Description
GTL 3	GIII+ (3 cSt)
GTL 4	GIII+ (4 cSt)
GTL 8	GIII+ (8 cSt)
GTL G 80 – Aerosols	GTL fluid for aerosols
GTL G 85 – Drillings Fluids	GTL base fluid for drilling

Specialty Base Stocks	Description
Synthetic Base Stock 502	Synthetic base stock

Esters	Description
VCS Estera 3S	Sebecate Ester
VCS Estera 5E	Estolide Ester
VCS Estera 22E	Estolide Ester
VCS Estera 22EL	Estolide Ester
VCS Estera 75E	Estolide Ester
VCS Estera 75EL	Estolide Ester
VCS Estera 9TO	TMPTO Ester
VCS Estera 4T	TMP Ester

Custom additive packages
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Components

Components	Description
VCS 033	Antiwear Additive and Rust Inhibitor
VCS 115	Corrosion Inhibitor and Emulsifier
VCS P750	Pour Point Depressant
VCS 998	Pour Point Depressant
VCS 999	Pour Point Depressant
VCS T-900R	Tackifier

Aminic Antioxidants	Description
VCS BODPA	Butylated octylated diphenylamine
VCS DND	Di-nonylated diphenylamine
VCS NA 06	Octylated phenyl alpha naphthylamine
VCS NA A	C12 alkylated phenyl alpha naphthylamine
VCS ADA	Alphamethylstyrenated diphenylamine
VCS OCD	Octylated diphenylamine
VCS SDPA	Styrenated diphenylamine

Phenolic Antioxidants	Description
VCS PA 135	2,6-diterbutyl phenol derivative
VCS PA 15 S	2,6-diterbutyl phenol derivative
VCS BHT	Butylated hydroxy toluene

Ashless Dithiocarbamates	Description
VCS 44 MBC	Methylene bis dibutyl dithiocarbamate

Zinc Dialkyl Dithiophosphates (ZDDPs)	Description
VCS Z 101	Primary (C4/C8)
VCS Z 101R	Primary (C4/B4)
VCS Z 102	Primary (C8)
VCS Z 104	Primary (C4/C5)
VCS Z 201	Secondary (C6)
VCS Z 202	Secondary (C3/C6)
VCS Z 121	Mixed (C3/C4/C8)
VCS 8033	Primary/Secondary Zinc diallyl dithiophosphate
VCS 8088	Primary Zinc diallyl dithiophosphate

Extreme Pressure Additives	Description
VCS G456	Sulfurized isobutylene
VCS 840	Sulfurized isobutylene
VCS DM 89	Bis-DMTD

Molybdenum Additives	Description
VCS 85 M	Molybdenum ester amide
VCS LA	Liquid dithiophosphate
VCS 525 S	Liquid dithiocarbamate
VCS MDBC	Solid dithiocarbamate
VCS 3000 D	Molybdenum dithiocarbamate

Corrosion Inhibitors	Description
VCS CI 3000	Sodium alkylbenzene sulfonate
VCS CI 3001	Calcium alkylbenzene sulfonate
VCS CI 3002	Barium alkylbenzene sulfonate
VCS CI 3003	Calcium alkylbenzene sulfonate

Metal Deactivators	Description
VCS TT 33	Tolytriazole derivative
VCS DM 113	C9 - DMTD derivative
VCS DM 86	C8 - DMTD derivative
VCS DM 110	C12 - DMTD derivative
VCS TT 30	Triazole derivative

Dispersants	Description
VCS D 2100	PIB dispersant
VCS D 2103	PIB dispersant
VCS D 2107	PIB dispersant

Dispersant Succinimides (PIBSI)	Description
VCS 210	High Nitrogen PIBSI
VCS 230	High Nitrogen PIBSI
VCS 310	High MW PIBSI
VCS 330	High MW PIBSI
VCS 410	Boronated

Succinimides Anhydrides	Description
VCS 110	Polyisobutylene (SA)
VCS 130	Polyisobutylene (SA)
VCS 150	Polyisobutylene (SA)
VCS HD5A	Alkenyl (SA)
VCS ODSA	Alkenyl (SA)

Detergents	Description
VCS CS 400	Overbased calcium alkylbenzene sulfonate
VCS CS 300	Overbased calcium alkylbenzene sulfonate
VCS MS 400	Overbased magnesium alkylbenzene sulfonate
VCS 6400	Calcium sulfonate TBN Booster

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