



Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362

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PRODUCT DATA SHEET

FARM OIL 15W/40

PRODUCT DESCRIPTION

Farm Oil 15W/40 is a special Super Tractor Oil Universal (STOU) specifically formulated to service tractors with just one lubricant where formerly up to four or more oils were required.

Farm Oil 15W/40 possesses all the lubrication characteristics necessary to give long trouble-free life to a wide range of agricultural power driven equipment. It is recommended for most engines: modern four stroke diesel normally aspirated and turbocharged as well as gasoline engines, transmissions, differentials, final drives, hydraulic systems, wet brakes and power take-off clutches.

The recommendations of **Farm Oil 15W/40** do not end at the farm since it will improve the performance in many other services including the tough demands on power driven equipment used in off-highway construction, transport, mining, industrial and marine. Reduced lubricant inventories are a further bonus.

CHARACTERISTICS

ONE FLUID REDUCES INVENTORY. **Farm Oil 15W/40** can replace four or more tractor lubricants. It is recommended for engines (diesel and gasoline), wet brake transmissions, differentials, final drives, hydraulics and power take-off clutches. **Farm Oil 15W/40** simplifies tractor services and overcomes the possibility of misapplication of incorrect lubricant which otherwise may result in damage to the engine components.

DIESEL DETERGENCY & DISPERSANCY. High temperature detergents and dispersants in **Farm Oil 15W/40** minimise the formation of top land ring and valve deposits and sludge development in both high and low load conditions. These additives guard against ring sticking and are further enhanced by oxidation, rust and corrosion inhibitors.

BORE POLISH DEFEATED. Top land and ring carbonaceous deposits are effectively minimised by **Farm Oil 15W/40** so that the polishing action of the carbonised materials is avoided. If left uncontrolled, the deposits result in bore polish which leads to progressively higher oil consumption and shorter engine life.

ANTI-WEAR & EP ACTIVITY. These special characteristics of **Farm Oil 15W/40** ensure effective lubrication when high load conditions are experienced in transmissions, axles, engines and hydraulic systems. They cumulatively promote long service life and trouble-free operation to tractors.

POWER TAKE-OFF LIFE. Great life extension because **Farm Oil 15W/40** has the special ability to quickly stall to prevent the clutches from slipping and burning out when a tractor driven implement hits any large object in the field. **Farm Oil 15W/40** provides faster stall times which reduce clutch wear and prolong PTO life.

BRAKE CHATTER. Means greater braking difficulty and ultimately premature failure. **Farm Oil 15W/40** suppresses chatter without loss of braking capacity. The balanced friction control ensures proper functioning of the wet brake and PTO clutches.



AUSTRALIAN FAMILY OWNED SINCE 1989





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SEAL SWELL. Properties of **Farm Oil 15W/40** are especially balanced so that seal gasket and wet brake compositions do not deteriorate, thereby avoiding costly repairs and down time.

FILTERABILITY. Superior to competitive fluids. **Farm Oil 15W/40** overcomes the tendency of filter plugging, which can occur with other fluids when operating in moisture contaminated service conditions, and thus lubricant supply is assured to all the appropriate moving surfaces.

RECOMMENDATIONS

Farm Oil 15W/40 meets most tractor OEM specifications, as well as many hydraulic pump and hydraulic transmission specifications.

Farm Oil 15W/40 meets or exceeds the following demanding performance requirements:

Diesel Engines **API:** CG-4, CF-4, CF, CE, CD.

ACEA: E3

Gasoline Engines **API:** SF, SE

Transmission **API:** GL-4

OEMs

Caterpillar TO-2 (obsolete)

Daimler Benz 227.1, 228.1

Allison C3 and C4

Ford ESN M2C-134D, M2C-159A, 159B and 159C

Case New Holland MAT 3525, 3526 and 82009201/2/3

John Deere JDM J27D and J20C

Massey Ferguson CMS M1145, M1144, M1143, M1139 and M1135

ZF Transmissions TE-ML 07B, TE-ML 06A, B and C.

NORTH AMERICAN OEMs

Allis Chalmers

Caterpillar

J I Case

Allison

Ford

John Deere

Case International

International Harvester

Massey Ferguson

MAJOR EUROPEAN OEMs

Case UK

Fendt Vario

MAN

Perkins Engines

Sperry Vickers Hydraulics

Daimler Benz

Fiat

MB Trac and Unimog

Poclair Hydraulics

Sunstrand Hydraulics

David Brown

KH Deutz

MWM Engines

SAME

ZF Transmissions (TE ML 06, 07)

NATIONAL EUROPEAN OEMs

Ebro

Landini

Volvo BM Valmet

Eicher

Schluter

Hurlimann

Steyr Daimler Puch



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JAPANESE/CMEA OEMs

Belarus
Lely-Iseki
Yanmar

IMT
Universal
Zetor

Kubota
Ursus

Always consult your vehicle owner's manual for the manufacturer's recommendations.

TYPICAL PROPERTIES

Property	ASTM Method	Typical Results
Density (kg/Lt) @ 15°C	D-1298	0.88
Viscosity (cSt) @ 100°C	D-445	14.1
Pour Point (°C)	D-97	- 36
Flash Point COC (°C)	D-92	231
Calcium (% wt)	-	0.35
Zinc (% wt)	-	0.14
Phosphorus (% wt)	-	0.14
Sulphated Ash (% wt)	-	1.39
Total Base Number (mg KOH/g)	D-4739	10.7

Available in: Bulk, 1000 Litres, 200 Litres, 20 Litres and 5 Litres

"Hi-Tec Oil Traders Pty Ltd (Hi-Tec Oils) has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at www.hi-tecoils.com.au. Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner.

Our product warranty and product quality statement can be viewed at www.hi-tecoils.com.au"

Item code: HI3-2691

Effective: November 2020

MR021132/1



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