

Machine Id FORD 284

Diesel Engine Fluid DIESEL ENGINE OIL SAE 5W40 (--- QTS)

DIESEL ENGINE OIL SAE 5W40 (Q15)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		RW0004746	RW0004299	RW0002747
	Sample Date		Client Info		19 Apr 2024	30 May 2023	26 Jul 2022
	Machine Age	mls	Client Info		25260	2230	0
	Oil Age	mls	Client Info		2656	2230	460
	Filter Age	mls	Client Info		2656	0	460
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	19	20	29
	Chromium	ppm	ASTM D5185m	>20	<1	<1	1
Metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m	>4	0	0	<1
	Titanium	ppm	ASTM D5185m		0	<1	<1
	Silver	ppm	ASTM D5185m	>3	0	0	<1
	Aluminum	ppm	ASTM D5185m	>20	2	<1	4
	Lead	ppm	ASTM D5185m	>40	0	0	1
	Copper	ppm	ASTM D5185m	>330	2	2	2
	Tin	ppm	ASTM D5185m	>15	0	0	1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION There is no indication of any contamination in the oil.	Silicon	ppm	ASTM D5185m	>25	6	7	8
	Potassium	ppm	ASTM D5185m		1	<1	2
	Fuel	le le	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.3	0.3	0.3
	Nitration	Abs/cm	*ASTM D7624		10.8	11.6	12.7
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8	25.5	28.5
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>44	4	12	7
	Boron	ppm	ASTM D5185m		15	80	69
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m	10	0	0	0
	Molybdenum	ppm	ASTM D5185m	100	51	3	2
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m	450	867	90	102
	Calcium	ppm	ASTM D5185m		1319	1942	1630
	Phosphorus	ppm	ASTM D5185m		1105	854	815
	Zinc	ppm	ASTM D5185m		1336	1025	927
	Sulfur	ppm	ASTM D5185m		3901	3601	3261
	Oxidation	Abs/.1mm	*ASTM D7414		19.9	23.7	24.9
	Base Number (BN)				7.73	6.06	4.62
	Vier @ 10000	- 01		444	10.0	10.4	4.4.4

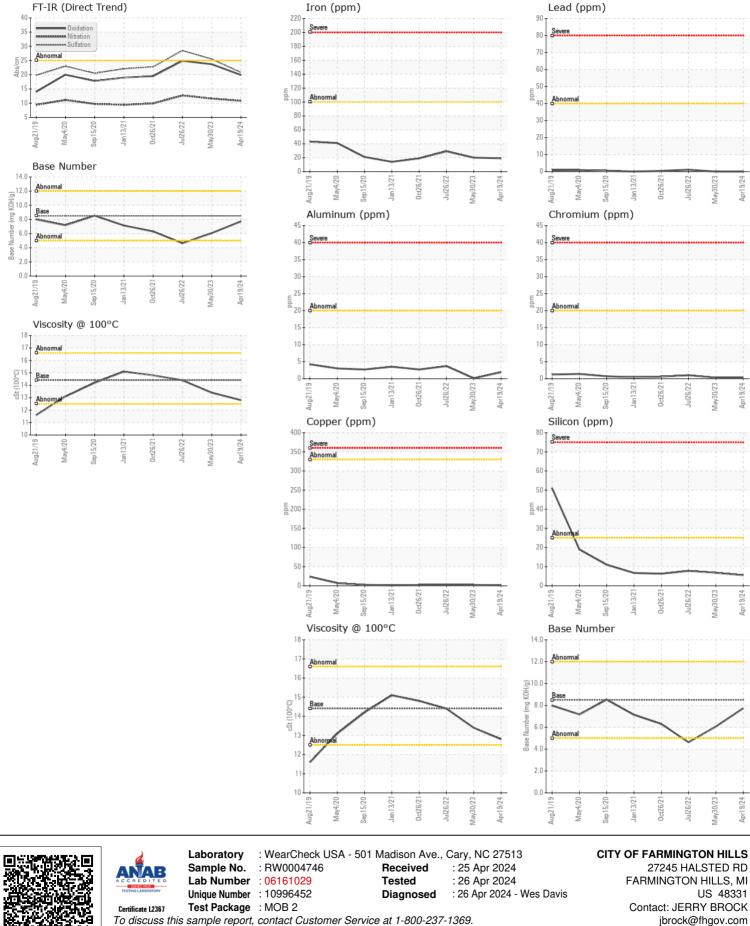
Visc @ 100°C cSt

ASTM D445 14.4

13.4

14.4

12.8



To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: JERRY BROCK - CITFARMI Page 2 of 2

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