

WEAR
CONTAMINATION
FLUID CONDITION

NORMAL

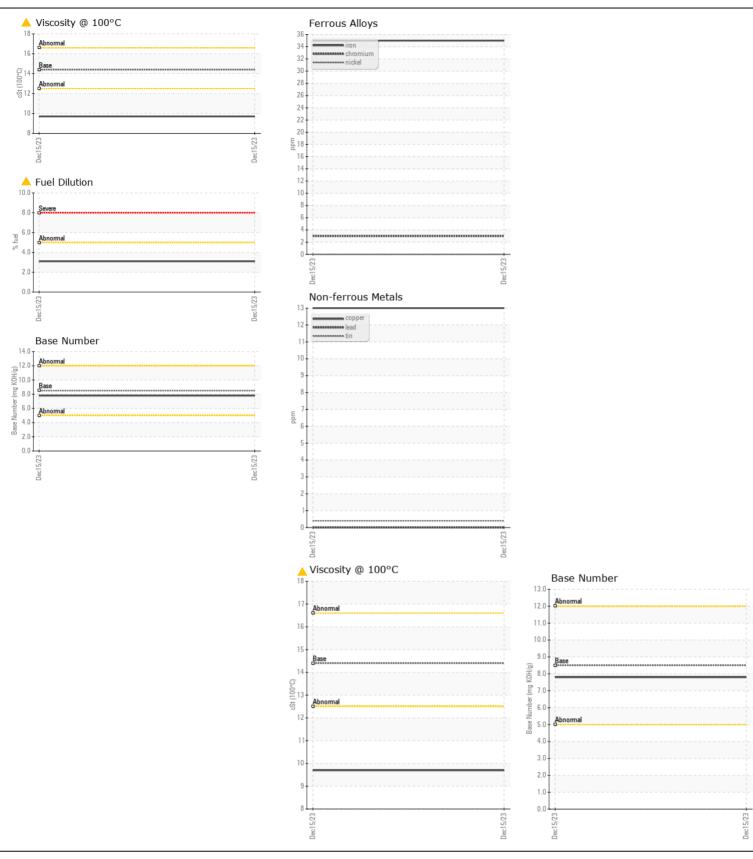
MARGINAL

ABNORMAL

Area **2H28** 

## FORD F350 SVK3068 (S/N 1FD8X3HT3NEF72104)

Component Diesel Engine	,						
DIESEL ENGINE OIL SAE 15W40 ( QTS)							
DIESEL ENGINE OIL SAE 15W40 ( Q15)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Number		Client Info		ARI0007432		
	Sample Date		Client Info		15 Dec 2023		
	Machine Age	hrs	Client Info		366		
	Oil Age	hrs	Client Info		366		
	Filter Age	hrs	Client Info		366		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Not Changd		
	Sample Status				ABNORMAL		
WEAD	Iron	nnm	ASTM D5185m	. 100	25		
WEAR	Iron Chromium	ppm			35 3		
Metal levels are typical for a components first oil change.	Nickel	ppm	ASTM D5185m ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m	>4	0		
	Silver	ppm		. 2	-		
	Aluminum	ppm	ASTM D5185m ASTM D5185m		3 4		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		13		
	Tin	ppm	ASTM D5185m		าง <1		
	Vanadium	ppm	ASTM D5185m	>10	0		
	White Metal	ppm scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
<u></u>		Scalai	Visuai		INONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	13		
	Potassium	ppm	ASTM D5185m	>20	2		
Light fuel dilution occurring.	Fuel	%	ASTM D3524	>5	<b>3.1</b>		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.3		
	Nitration	Abs/cm	*ASTM D7624	>20	9.2		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.6		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG		
ELUID CONDITION	Codi		ACTM DE40E	. 150	^	[	
FLUID CONDITION  The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is suitable for further service.	Sodium	ppm	ASTM D5185m		3		
	Boron	ppm	ASTM D5185m		12		
	Barium	ppm		10	0 45		
	Manganasa	ppm	ASTM D5185m ASTM D5185m	100	45		
	Manganese	ppm	ASTM D5185m	1E0	2		
	Magnesium Calcium	ppm	ASTM D5185m		842 1093		
	Phosphorus	ppm	ASTM D5185m		1036		
	Zinc	ppm	ASTM D5185m		1201		
	Sulfur	ppm	ASTM D5165III		3106		
	Oxidation	Abs/.1mm	*ASTM D3163111		16.2		
	Base Number (BN)				7.8		
	Visc @ 100°C	cSt	ASTM D2030		9.7		
					<u> </u>		







Report Id: AR1650CHA [WUSCAR] 06056358 (Generated: 01/12/2024 13:57:10) Rev: 1

Laboratory Sample No. Lab Number Unique Number

: ARI0007432 : 06056358 : 10822307

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 10 Jan 2024 Diagnosed : 12 Jan 2024

Diagnostician : Wes Davis

Test Package : CONST ( Additional Tests: FuelDilution, PercentFuel, TBN ) 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)

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