WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

Machine Id

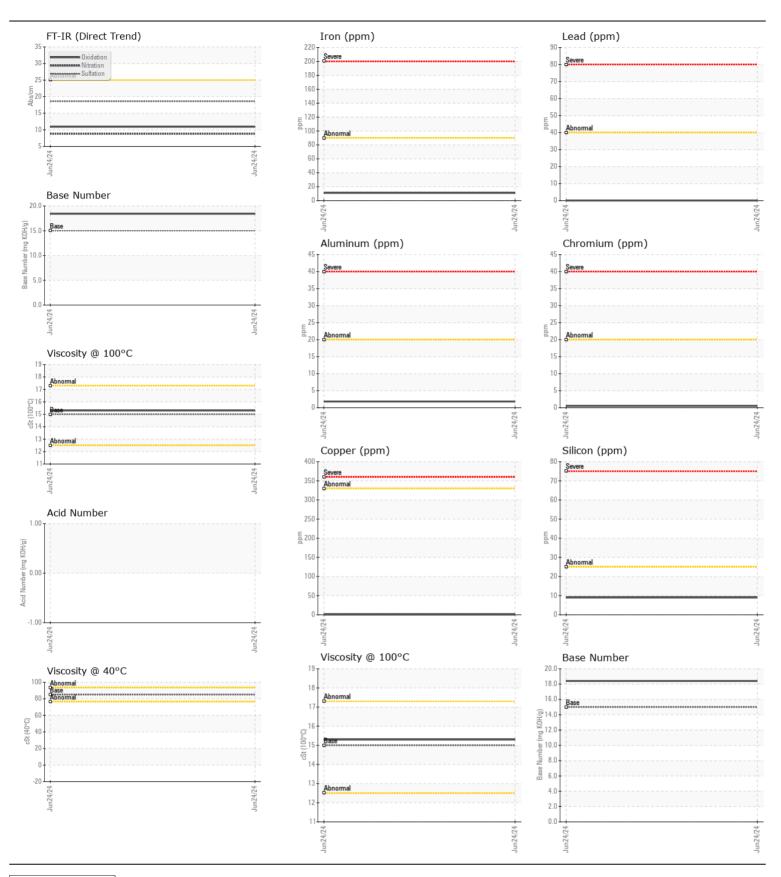
CASE IH ZDF134539

OIL ANALYSIS REPORT

Diesel Engine

TRC PRO-SPEC IV HD 5W40 (12 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06226462		
	Sample Date		Client Info		24 Jun 2024		
	Machine Age	mls	Client Info		474		
	Oil Age	mls	Client Info		130		
	Filter Age	mls	Client Info		130		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	>90	11		
VEAIL	Chromium	ppm	ASTM D5185m		<1		
All component wear rates are normal.	Nickel		ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver		ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		2		
		ppm			0		
	Lead	ppm	ASTM D5185m ASTM D5185m		-		
	Copper Tin	ppm	ASTM D5185m		<1		
	Vanadium	ppm	ASTM D5185m	>10	0		
	White Metal	ppm		NONE	_		
		scalar	*Visual	NONE	NONE		
<u></u>	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	9		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	14		
	Fuel		WC Method	>3.0	<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>6	0.6		
	Nitration	Abs/cm	*ASTM D7624	>20	8.8		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.6		
	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		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
LUID CONDITION	Sodium	nnm	ΔSTM D5185m		2		
LOID CONDITION	Boron	ppm	ASTM D5185m		15		
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		0		
	Molybdenum	ppm	ASTM D5185m		<1		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		26		
	Calcium	ppm	ASTM D5185m	4500	4789		
	Phosphorus	ppm	ASTM D5185m	.000	1126		
	Zinc	ppm	ASTM D5185m	1200	1305		
	Sulfur	ppm	ASTM D5185m	1200	5616		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	10.9		
	Base Number (BN)				18.41		
	Dasc Number (DN)	my NOTI/y	70 INI D2030	10	10.41		





Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06226462

: TR06226462

Received **Tested** Unique Number : 11109955 Diagnosed

: 05 Jul 2024 Test Package : MOB 2 (Additional Tests: KV40, TAN Man)

: 05 Jul 2024 - Don Baldridge

: 02 Jul 2024

20300 MORNING SUN RD HARRISBURG, AZ US 72432

KERRY BOECKNER

Contact: LARRY SCHMIDT

To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - 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)

T:

F: