

**OIL ANALYSIS REPORT** 

## Machine Id CASE IH JJF1050844 Component Diesel Engine Fluid TRC PRO-SPEC III SYNTHETIC BLEND 15W40 (18 QTS)

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RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06219942	TR06132261	TR05868085
	Sample Date		Client Info		31 Mar 2024	26 Jan 2024	04 Apr 2023
	Machine Age	hrs	Client Info		6055	5639	5230
	Oil Age	hrs	Client Info		416	409	480
	Filter Age	hrs	Client Info		416	409	480
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m	>90	25	24	18
	Chromium	ppm	ASTM D5185m	>20	2	2	2
	Nickel	ppm	ASTM D5185m	>2	<1	<1	<1
	Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
	Silver	ppm	ASTM D5185m	>2	0	<1	<1
	Aluminum	ppm	ASTM D5185m	>20	4	4	2
	Lead	ppm	ASTM D5185m	>40	0	1	<1
	Copper	ppm	ASTM D5185m	>330	2	<1	<1
	Tin	ppm	ASTM D5185m	>15	0	<1	<1
	Vanadium	ppm	ASTM D5185m		0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	、25	5	8	2
CONTAMINATION	Potassium	ppm	ASTM D5185m	-	2	3	3
There is no indication of any contamination in the oil.	Fuel	ppiii	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	20.L	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>6	1.1	0.9	0.9
	Nitration	Abs/cm	*ASTM D7624	>20	9.3	9.3	10.0
	Sulfation	Abs/.1mm	*ASTM D7624		21.1	19.4	20.7
	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		*Visual	>0.2	NEG	NEG	NEG
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FLUID CONDITION	Sodium	ppm	ASTM D5185m		5	6	<1
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		1	1	0
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		0	<1	1
	Manganese	ppm	ASTM D5185m		1	<1	<1
	Magnesium	ppm	ASTM D5185m		25	23	17
	Calcium	ppm	ASTM D5185m		6019	6351	4957
	Phosphorus	ppm	ASTM D5185m		1181	1290	999
	Zinc	ppm	ASTM D5185m		1400	1461	1144
	Sulfur	ppm	ASTM D5185m		5722	6006	4455
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.5	12.9	14.2
	Base Number (BN)	mg KOH/g	ASTM D2896		14.74	14.79	12.29

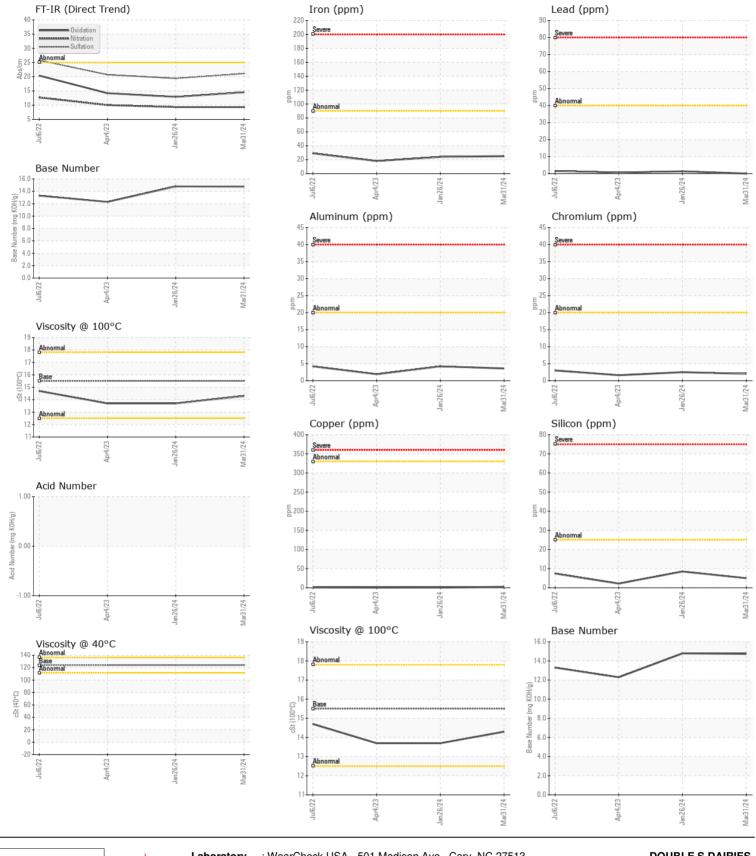
Visc @ 100°C cSt

ASTM D445 15.5

13.7

13.7

14.3



**DOUBLE S DAIRIES** Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Received : 25 Jun 2024 : TR06219942 Ē : 06219942 HARTLEY, TX Lab Number Tested : 26 Jun 2024 Unique Number : 11098139 : 26 Jun 2024 - Sean Felton US 79044 Diagnosed Test Package : MOB 2 (Additional Tests: KV40, TAN Man) Contact: MIKE LEWIS Certificate L2367 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. T: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: MIKE LEWIS - DOUHAR Page 2 of 2