WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

OIL ANALYSIS REPORT

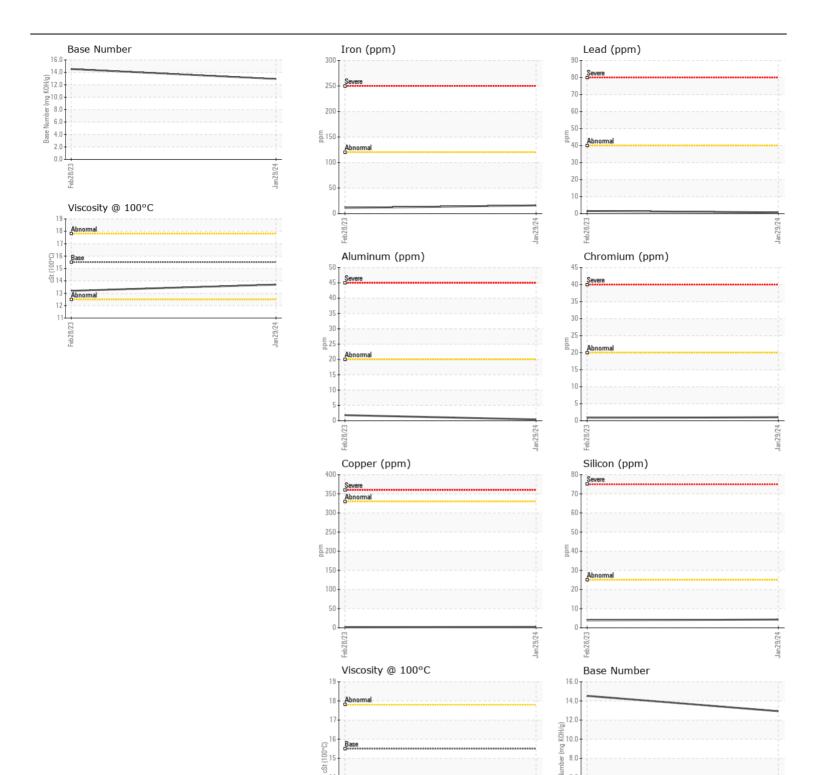
Machine Id

MACK CV713 91

Component Diesel Engine

TRC PRO-SPEC III SYNTHETIC BLEND 15W40 (40 QTS)

	(40 QTS)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06099322	TR05784638	
	Sample Date		Client Info		29 Jan 2024	28 Feb 2023	
	Machine Age	hrs	Client Info		28859	27378	
	Oil Age	hrs	Client Info		311	199	
	Filter Age	hrs	Client Info		311	199	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>120	16	11	
	Chromium	ppm	ASTM D5185m	>20	1	<1	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	0	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m		<1	0	
	Aluminum	ppm	ASTM D5185m		<1	2	
	Lead	ppm	ASTM D5185m		<1	2	
	Copper	ppm	ASTM D5185m		2	2	
	Tin	ppm	ASTM D5185m		<1	<1	
	Vanadium	ppm	ASTM D5185m		<1	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m		4	4	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		2	3	
	Fuel		WC Method		<1.0	<1.0	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844		1.7	0.7	
	Nitration	Abs/cm	*ASTM D7624		6.2	5.8	
	Sulfation	Abs/.1mm	*ASTM D7415		18.3	17.8	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	2	
	Boron	ppm	ASTM D5185m		0	<1	
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		5	0	
	Molybdenum	ppm	ASTM D5185m		2	2	
	Manganese	ppm	ASTM D5185m		<1	1	
	Magnesium	ppm	ASTM D5185m		19	27	
	Calcium	ppm	ASTM D5185m		3970	4834	
	Phosphorus	ppm	ASTM D5185m		753	996	
	Zinc	ppm	ASTM D5185m		905	1172	
	Sulfur	ppm	ASTM D5185m		3811	5375	
	Oxidation	Abs/.1mm	*ASTM D7414	>25	8.0	9.0	
	Base Number (BN)		ASTM D2896		12.93	14.53	
	Dase Nulliber (DIVI						







Certificate L2367

Laboratory Sample No.

: TR06099322 Lab Number : 06099322 Unique Number : 10897552 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 Feb 2024 : 26 Feb 2024 **Tested**

: 27 Feb 2024 - Don Baldridge Diagnosed

HUTH READY MIX AND SUPPLY CO

501 5TH ST NW MASSILLON, OH US 44647

Contact: JIM FITZGERALD

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: