WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

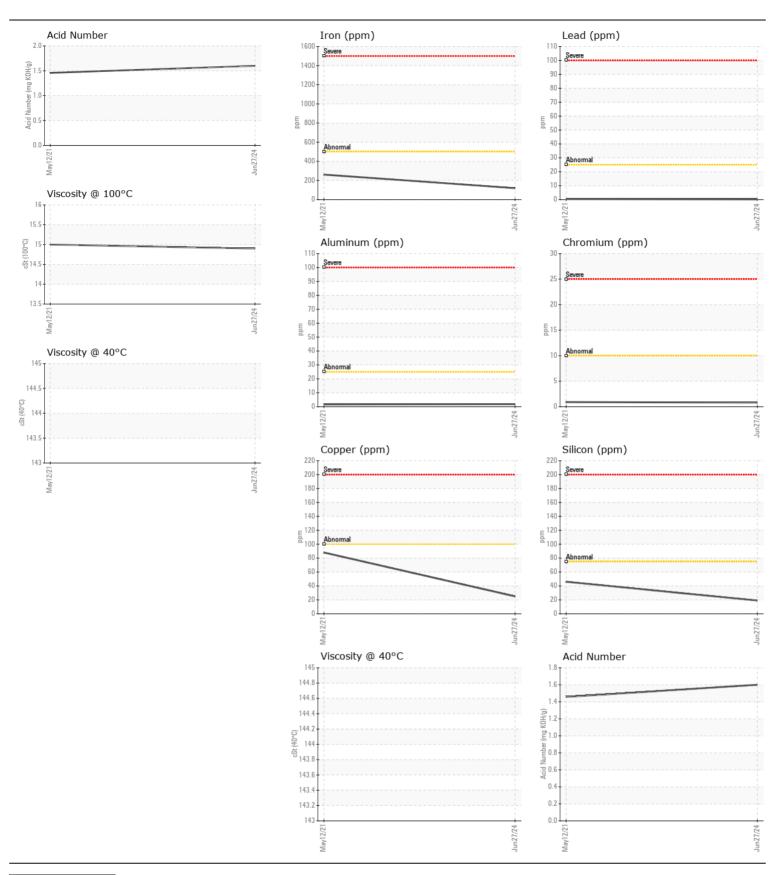
OIL ANALYSIS REPORT

Machine Id

FREIGHTLINER 5009

Front Differential

TRC 790 SURE UNIV GENERIC (12 QTS)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06230339	TR05258709	
	Sample Date		Client Info		27 Jun 2024	12 May 2021	
	Machine Age	hrs	Client Info		21087	18387	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Not Changd	Not Changd	
	Filter Changed		Client Info		Not Changd	Not Changd	
	Sample Status				NORMAL	NORMAL	
VEAR	Iron	ppm	ASTM D5185m	>500	119	261	
	Chromium	ppm	ASTM D5185m	>10	<1	<1	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	<1	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m		<1	<1	
	Aluminum	ppm	ASTM D5185m	>25	2	2	
	Lead	ppm	ASTM D5185m		<1	<1	
	Copper	ppm	ASTM D5185m	>100	25	88	
	Tin	ppm	ASTM D5185m	>10	<1	1	
	Vanadium	ppm	ASTM D5185m		<1	0	
	White Metal	scalar	*Visual	NONE	NONE	LIGHT	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>75	19	46	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		2	1	
	Water	pp	WC Method		- NEG	NEG	
	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	>.2	NEG	NEG	
LUID CONDITION	Sodium	ppm	ASTM D5185m		2	7	
	Boron	ppm	ASTM D5185m		274	193	
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	<1	
	Molybdenum	ppm	ASTM D5185m		<1	<1	
	Manganese	ppm	ASTM D5185m		2	6	
	Magnesium	ppm	ASTM D5185m		2	3	
	Calcium	ppm	ASTM D5185m		6	11	
	Phosphorus	ppm	ASTM D5185m		1015	981	
	Zinc	ppm	ASTM D5185m		15	18	
	Sulfur	ppm	ASTM D5185m		20499	19670	
	Acid Number (AN)		ASTM D8045		1.60	1.458	
	Visc @ 40°C	cSt	ASTM D445		144		
	Visc @ 100°C	cSt	ASTM D445		14.9	15.0	
	Viscosity Index (VI)		ASTM D2270		103		





Certificate L2367

Laboratory Sample No. Lab Number

: 06230339 Unique Number: 11113832 Test Package : MOB 2 (Additional Tests: KV100, VI)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : TR06230339 : 08 Jul 2024 **Tested**

: 09 Jul 2024 : 10 Jul 2024 - Don Baldridge Diagnosed

30676 COUNTY RD 24 SLEEPY EYE, MN US 56085

MATHIOWETZ CONSTRUCTION COMPANY

Contact: Jim Warwick jimwarwick@mathiowetzconst.com

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: