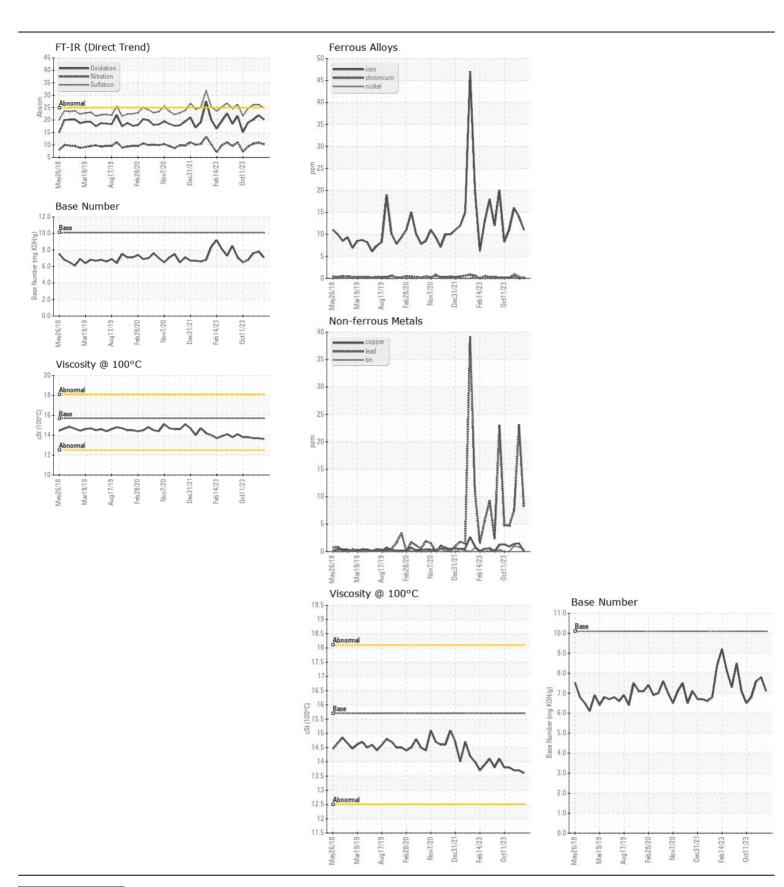


WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

Store 9 - Marietta **KENWORTH 1025**

Diesel Engine

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0048660	LEC0045854	LEC004647
Sample Date		Client Info		13 Apr 2024	24 Feb 2024	16 Jan 202
Machine Age	hrs	Client Info		48790	48309	47700
Oil Age	hrs	Client Info		400	400	400
Filter Age	hrs	Client Info		400	400	400
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	maa	ASTM D5185m	>100	11	14	16
						<1
						1
						<1
			>3			0
						3
						8
						1
• •				-		1
						<1
			NONE			NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Cilioon	nnm	ACTM DE10Em	- 120	e	7	11
						5
	ppiii					<1.0
			>0.2			NEG NEG
	0/		. 0			0.7
						10.5
						26.1
						NONE
						NONE
						NONE
						NORMI
						NORM NEG
Sodium		ASTM D5185m		4	4	0
						270
						1
-			1.2			136
-						1
•						689
						1488
•						731
	ppm					888
						2661
						20.2
						7.6
Visc @ 100°C	cSt	ASTM D445	15.7	13.6	13.7	13.7
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Oxidation Base Number (BN)	Sample Number Sample Date Machine Age Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Yellow Metal scalar Silicon ppm Fuel Water Glycol Soot % Nitration Abs/.1mm Silt scalar Sulfation Abs/.1mm Silt scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Molybdenum ppm Magnesium ppm Magnesium ppm Magnesium ppm Calcium ppm Sulfur ppm Caclium ppm Sulfur pm Sulfur ppm	Sample Number Sample Date Machine Age Oil Age hrs Client Info Clie	Sample Number Client Info Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Filter Age hrs Client Info Oil Changed Client Info Client Info Filter Changed Sample Status Client Info Stamb D5185m >100 Chromium ppm ASTM D5185m >20 >20 Nickel ppm ASTM D5185m >3 >4 >3 >4 >6 *4	Sample Number Client Info LEC0048660 Sample Date Client Info 13 Apr 2024 Machine Age hrs Client Info 400 48790 Machine Age hrs Client Info 400 400 Filter Age hrs Client Info 400 Changed Client Info Changed Client Info Changed Client Info Changed Sample Status NORMAL Iron ppm ASTM D5185m >100 11 Chromium ppm ASTM D5185m >20 <1 Nickel ppm ASTM D5185m >4 0 Titanium ppm ASTM D5185m >20 <1 Nickel ppm ASTM D5185m >4 0 Titanium ppm ASTM D5185m >20 3 Aluminum ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >40 8 Copper ppm ASTM D5185m >15 <1 Vanadium ppm ASTM D5185m NONE NONE Yellow Metal scalar "Visual NONE NONE NONE Yellow Metal scalar "Visual NONE NONE NONE Silicon ppm ASTM D5185m >120 6 Potassium ppm ASTM D5185m >20 9 Yellow Metal scalar "Visual NONE NONE NONE Silit scalar "Visual NONE NONE NEG Soot % "ASTM D7844 >3 0.6 NONE N	Sample Number Client Info Client Info Client Info Agr 2024 24 Feb 2024 Machine Age hrs Client Info 400 400 400 400 61lter Age hrs Client Info 400 400 400 400 61lter Age hrs Client Info 400 400 400 61lter Changed Client Info Changed NORMAL NORMAL







Certificate L2367

Laboratory Sample No.

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

: LEC0048660 Lab Number : 06151721 Unique Number: 10981799

Test Package : CONST (Additional Tests: TBN)

Received : 17 Apr 2024 **Tested** Diagnosed

: 18 Apr 2024

: 19 Apr 2024 - Sean Felton

US 26346 Contact: CHRIS PETROVICH chrispetrovich@halldrilling.com

T: (304)869-3404

HALL DRILLING LLC

ELLENBORO, WV

PO BOX 249

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) F: (304)869-3408