

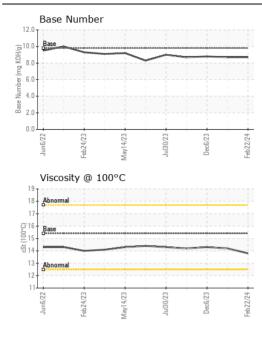
WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

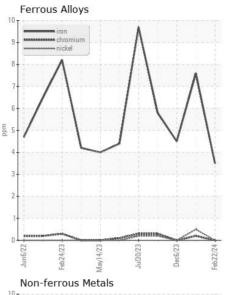
Machine Id **732**

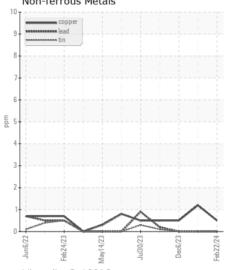
Component Diesel Engine

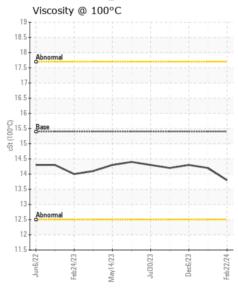
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0817202	WC0817217	WC077372
Resample at the next service interval to monitor. Please specify the component make and model with your next sample.	Sample Date		Client Info		22 Feb 2024	15 Jan 2024	06 Dec 202
	Machine Age	hrs	Client Info		11591	11398	0
	Oil Age	hrs	Client Info		11591	0	0
	Filter Age	hrs	Client Info		11591	0	0
	Oil Changed		Client Info		Changed	N/A	Changed
	Filter Changed		Client Info		Changed	N/A	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	4	8	4
	Chromium	ppm	ASTM D5185m	>20	0	<1	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	<1	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		1	<1	0
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m		<1	1	<1
	Tin	ppm	ASTM D5185m		0	0	0
	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	3	4	3
	Potassium	ppm	ASTM D5185m		<1	<1	0
There is no indication of any contamination in the oil.	Fuel	ррпп	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	70.L	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.2	0.3	0.3
	Nitration	Abs/cm	*ASTM D7624		6.2	6.7	6.7
	Sulfation	Abs/.1mm	*ASTM D7415		18.3	18.8	18.7
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water			>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1	<1	<1
LOID CONDITION	Boron	ppm	ASTM D5185m	0	8	3	9
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	0	0
	Molybdenum	ppm	ASTM D5185m		63	59	55
	Manganese	ppm	ASTM D5185m		<1	<1	0
	Magnesium	ppm	ASTM D5185m		1006	957	1031
	Calcium	ppm	ASTM D5185m		1104	1088	1194
	Phosphorus	ppm	ASTM D5185m		1141	1049	1155
	Zinc	ppm	ASTM D5185m		1330	1270	1336
	Sulfur	ppm	ASTM D5185m		3371	3144	3319
	Oxidation	Abs/.1mm	*ASTM D7414		14.6	14.9	14.9
	Base Number (BN)		ASTM D2896		8.7	8.7	8.8
	Dado Hallibol (DIV)	mg nong	. 10 1111 DL000	0.0	V.	0.7	0.0

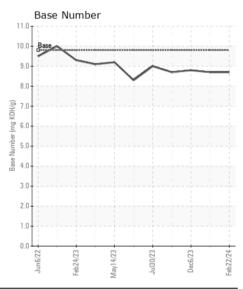
Contact/Location: DONALD KNEPP - AREJOH













Certificate L2367

Sample No.

Laboratory

Lab Number : 06103558 Unique Number: 10901788 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0817202

Received **Tested** Diagnosed

: 28 Feb 2024 : 01 Mar 2024 : 01 Mar 2024 - Wes Davis

AREA TRANSPORTATION AUTHORITY 44 TRANSPORTATION CENTER

JOHNSONBURG, PA

US 15845 Contact: DONALD KNEPP

dknepp@rideata.com

T: (814)371-0443

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)

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