WEAR CONTAMINATION FLUID CONDITION

NORMAL

MARGINAL

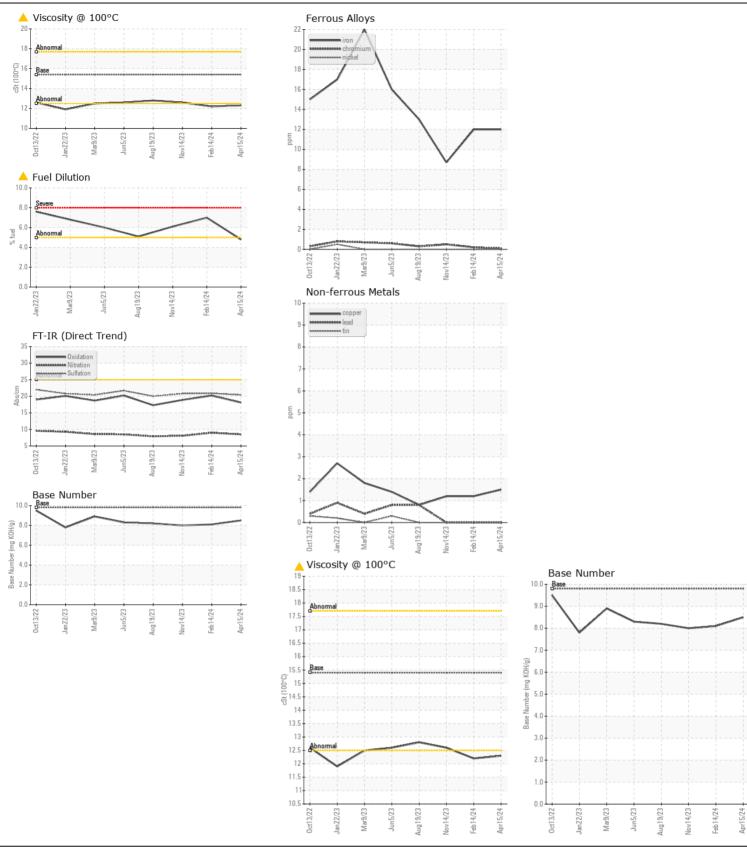
ABNORMAL

Machine Id

723

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
ILCOMMENDATION .	Sample Number	OOW	Client Info	LIIIIU/ADII	WC0817176	WC0817194	WC0773725
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. Please specify the component make and model with your next sample.	Sample Date		Client Info		15 Apr 2024	14 Feb 2024	14 Nov 2023
	Machine Age	hrs	Client Info		20891	0	20409
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	ABNORMAL	_
WEAD			AOTM DEADE	400		40	
WEAR	Iron	ppm	ASTM D5185m		12	12	9
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	<1	<1
	Nickel	ppm	ASTM D5185m	>4	0	0	0
	Titanium	ppm	ASTM D5185m	0	0	0	0
	Silver	ppm	ASTM D5185m		0	0	<1
	Aluminum Lead	ppm	ASTM D5185m ASTM D5185m		2 0	0	0
	Copper	ppm	ASTM D5185m		2	1	1
	Tin		ASTM D5185m		0	0	0
	Vanadium	ppm	ASTM D5185m	>10	0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m		3	4	3
Light fuel dilution occurring. No other contaminants were detected in the oil.	Potassium	ppm	ASTM D5185m		0	2	0
	Fuel	%	ASTM D3524	>5	▲ 4.8	▲ 7.0	▲ 6.1
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol	%	WC Method *ASTM D7844	. 0	NEG	NEG 0.4	NEG
	Soot % Nitration	Abs/cm	*ASTM D7624	>20	0.4 8.5	9.0	0.3 8.1
	Sulfation	Abs/.1mm	*ASTM D7624		20.4	20.9	20.8
	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
EL LUD CONDITION	015		AOTA DEADE				
FLUID CONDITION	Sodium	ppm	ASTM D5185m	0	<1	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.	Boron	ppm	ASTM D5185m		5	2	2
	Barium	ppm	ASTM D5185m		0	<1	0
	Molybdenum Manganese	ppm	ASTM D5185m ASTM D5185m		58 <1	61 0	56 <1
	Magnesium	ppm	ASTM D5185m		939	942	933
	Calcium	ppm	ASTM D5185m		1042	973	998
	Galolalli	ppm	ASTM D5185m		1015	867	1008
	Phosphorus						
	Phosphorus Zinc		ASTM D5185m	1270	1221	1223	1228
	Zinc	ppm	ASTM D5185m		1221 3334	1223 2798	1228 2953
	Zinc Sulfur	ppm	ASTM D5185m	2060	3334	2798	2953
	Zinc	ppm ppm Abs/.1mm	ASTM D5185m *ASTM D7414	2060 >25			







Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0817176 Lab Number : 06158381

Unique Number: 10993804

Received **Tested**

: 23 Apr 2024 Diagnosed

: 25 Apr 2024 : 25 Apr 2024 - Wes Davis

AREA TRANSPORTATION AUTHORITY 44 TRANSPORTATION CENTER JOHNSONBURG, PA

US 15845 Contact: J SCHLODER

Test Package : FLEET (Additional Tests: PercentFuel) Certificate L2367 jschloder@rideata.com To discuss this sample report, contact Customer Service at 1-800-237-1369. T:

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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