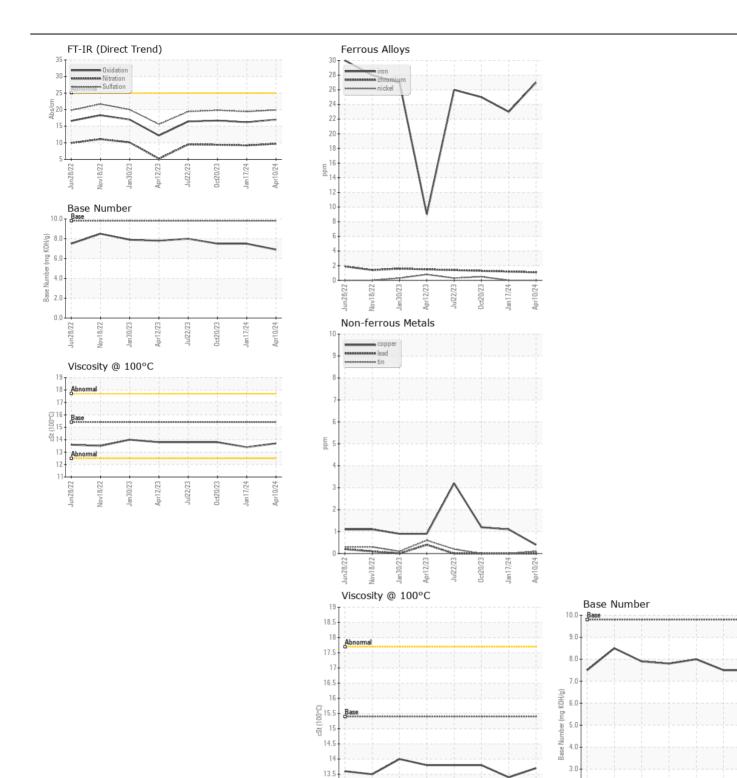


WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

RTS Machine Id [RTS] 886
Component
Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WC0901456	WC0843771	WC084375
	Sample Date		Client Info		10 Apr 2024	17 Jan 2024	20 Oct 202
	Machine Age	mls	Client Info		559637	548771	537698
	Oil Age	mls	Client Info		10866	11073	10655
	Filter Age	mls	Client Info		10866	11073	10655
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
VEAR	Iron	nnm	ASTM D5185m	~ 75	27	23	25
WEAR	Chromium	ppm	ASTM D5185m		1	1	1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	<1
	Titanium	ppm	ASTM D5185m		0	<1	<1
	Silver		ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		10	9	9
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m		<1	1	1
	Tin	ppm	ASTM D5185m		<1	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		4	3	4
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		12	8	10
	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol	21	WC Method	0	NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.5	0.4	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	9.7	9.2	9.4
	Sulfation Silt	Abs/.1mm	*ASTM D7415		19.9 NONE	19.4 NONE	19.8 NONE
	Debris	scalar	*Visual	NONE	NONE	NONE NONE	NONE
	Sand/Dirt	scalar scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
	Lindollica Water		v 150aa1			1420	INLO
FLUID CONDITION	Sodium	ppm	ASTM D5185m		8	8	6
The DN years the indicator that there is cuitable all all in the second in the	Boron	ppm	ASTM D5185m		5	1	2
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	3
	Molybdenum	ppm	ASTM D5185m	60	65	61	65
	Manganese	ppm	ASTM D5185m		<1	<1	0
	Magnesium	ppm	ASTM D5185m		1093	1058	965
	Calcium	ppm	ASTM D5185m		1179	1113	1106
	Phosphorus	ppm	ASTM D5185m		1161	1071	997
	Zinc	ppm	ASTM D5185m		1419	1356	1293
	Sulfur	ppm	ASTM D5185m		3574	3010	3173
	Oxidation	Abs/.1mm	*ASTM D7414		17.0	16.2	16.7
	Base Number (BN)				6.9	7.5	7.5
	Visc @ 100°C	cSt	ASTM D445	4 - 4	13.7	13.4	13.8







Certificate L2367

Laboratory Sample No.

Test Package : FLEET

: WC0901456 Lab Number : 06149399 Unique Number : 10979477

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Apr 2024 **Tested** : 16 Apr 2024

Apr12/23

Diagnosed

: 16 Apr 2024 - Wes Davis

HUMBOLDT TRANSIT AUTHORITY

133 V ST EUREKA, CA US 95501

Contact: KELLY MASTERSON

Apr12/23

Nov18/22

kelly@hta.org T:

To discuss this sample report, contact Customer Service at 1-800-237-1369.

13 12.5

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* - 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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