WEAR CONTAMINATION FLUID CONDITION

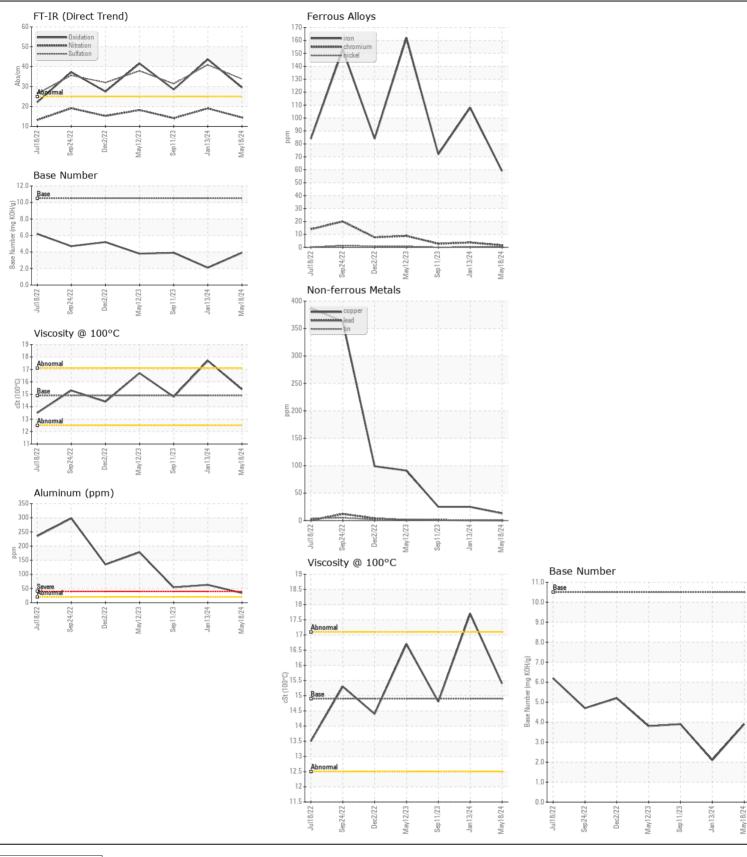
NORMAL NORMAL NORMAL

Machine Id

2303

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0720117	WC0720054	WC0720138
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Date		Client Info		18 May 2024	13 Jan 2024	11 Sep 202
	Machine Age	mls	Client Info		377465	326550	277223
	Oil Age	mls	Client Info		50000	100000	50000
	Filter Age	mls	Client Info		50000	50000	50000
	Oil Changed		Client Info		Not Changd	Changed	Not Change
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	ABNORMAL	NORMAL
MEAD	Iron	nnm	ACTM DE10Em	. 100	E0.	A 100	70
WEAR	Iron	ppm	ASTM D5185m		59	108	72
All component wear rates are normal.	Chromium Nickel	ppm	ASTM D5185m		2	4	3
		ppm	ASTM D5185m	>4	<1	<1	0
	Titanium	ppm	ASTM D5185m	. 0	0	<1	<1
	Silver	ppm	ASTM D5185m		<1	0	0
	Aluminum	ppm	ASTM D5185m		34 0	63	54
	Lead	ppm	ASTM D5185m ASTM D5185m		13	<1 25	<1 25
	Copper Tin	ppm	ASTM D5185m		าง <1	<1 <1	1
	Vanadium	ppm	ASTM D5185m	>10	0	0	0
	White Metal	ppm scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
			VIOUGI	NONE			140142
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	9	12	8
Elevated aluminum (AI) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. No other contaminants were detected in the oil.	Potassium	ppm	ASTM D5185m	>20	68	121	98
	Fuel		WC Method	>5	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	1.8	2.5	1.4
	Nitration	Abs/cm	*ASTM D7624	>20	14.4	19.0	14.1
	Sulfation	Abs/.1mm	*ASTM D7415	>30	33.8	40.9	31.4
	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	NORMI
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
LUD CONDITION	Sodium		ACTM DE10Em		4	4	0
FLUID CONDITION	Boron	ppm	ASTM D5185m ASTM D5185m	0	4 <1	4 0	2
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		2	9	11
	Manganese	ppm	ASTM D5185m	100	1	2	1
	Magnesium	ppm	ASTM D5185m	60	45	156	177
	Calcium	ppm			2792	2933	2622
	Phosphorus	ppm	ASTM D5185m		1098	1185	1064
	Zinc		ASTM D5185m		1280	1388	1392
	Sulfur	ppm	ASTM D5185m		4169	3643	3619
	Oxidation	Abs/.1mm	*ASTM D3163111		29.5	43.7	28.5
	Base Number (BN)		ASTM D7414 ASTM D2896		3.9	<u>4</u> 3.7	3.9
	Dasc Number (DIN)	cSt	ASTM D2030		15.4	▲ 17.7	14.8







Certificate L2367

Laboratory Sample No.

Lab Number : 06213292 Unique Number: 11086156 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : WC0720117 : 18 Jun 2024

Tested Diagnosed

: 19 Jun 2024 : 20 Jun 2024 - Sean Felton **DILLON TRANSPORTATION** 974 TN WALTZ PARKWAY

ASHLAND CITY, TN US 37015

Contact: MASON NICHOLSON

M.NICHOLSON@DILLONTRANSPORTATION.COM

T: (615)792-5099

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: (615)469-4200