WEAR CONTAMINATION FLUID CONDITION

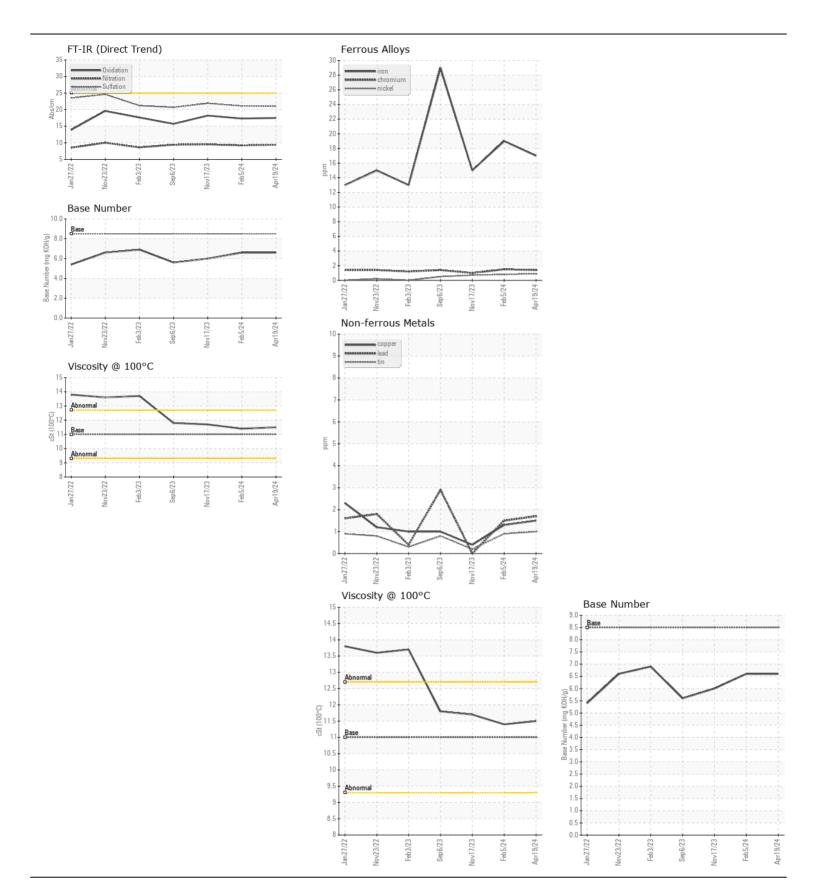
NORMAL NORMAL NORMAL

Machine Id

107

Component
Diesel Engine
Fluid

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WC0827790	WC0827839	WC082773
	Sample Date		Client Info		19 Apr 2024	05 Feb 2024	17 Nov 202
	Machine Age	mls	Client Info		321556	295848	270028
	Oil Age	mls	Client Info		0	24000	0
	Filter Age	mls	Client Info		0	24000	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
A/E A D	Lucus		AOTM DE40E	400	4=	40	45
WEAR	Iron	ppm	ASTM D5185m		17	19	15
All component wear rates are normal.	Chromium Nickel	ppm	ASTM D5185m		1	2	1 .1
		ppm	ASTM D5185m	>4	<1	<1	<1
	Titanium	ppm	ASTM D5185m	. 0	<1	<1	0
	Silver Aluminum	ppm	ASTM D5185m		0	<1 1	0
		ppm	ASTM D5185m		4		3
	Lead Copper	ppm	ASTM D5185m ASTM D5185m		2	2	0 <1
	Tin	ppm	ASTM D5185m		1	<1	<1
	Vanadium	ppm	ASTM D5185m	>10	ı <1	<1	0
	White Metal	ppm scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
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CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	4	4	4
	Potassium	ppm	ASTM D5185m	>20	3	4	5
There is no indication of any contamination in the oil.	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	0.4	0.4	0.4
	Nitration	Abs/cm	*ASTM D7624	>20	9.4	9.2	9.5
	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.0	21.1	21.9
	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	NORMI
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3	0	2
LOID CONDITION	Boron	ppm	ASTM D5185m	269	9	15	11
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	200	0	0	0
	Molybdenum	ppm	ASTM D5185m	0	61	61	57
	Manganese	ppm	ASTM D5185m	Ü	<1	<1	<1
	Magnesium	ppm	ASTM D5185m	20	899	783	791
	Calcium	ppm	ASTM D5185m		1192	1160	1218
	Phosphorus	ppm	ASTM D5185m		1168	909	1034
	Zinc	ppm	ASTM D5185m		1279	1199	1252
	Sulfur	ppm	ASTM D5185m		3549	3108	2949
	Oxidation	Abs/.1mm	*ASTM D7414	>25	17.5	17.3	18.2
	Base Number (BN)				6.6	6.6	6.0
		0 0					







Certificate L2367

Laboratory Sample No.

Lab Number : 06161106 Unique Number: 10996529 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0827790

Received : 25 Apr 2024 **Tested** : 29 Apr 2024 Diagnosed

: 29 Apr 2024 - Don Baldridge

415 S WESTERN AVENUE OKLAHOMA CITY, OK

CARCO TRANSPORTATION

US 73109

Contact: VICTOR STACHONIAK victors@carcotrans.com

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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)

Report Id: CAROKL [WUSCAR] 06161106 (Generated: 04/29/2024 13:30:11) Rev: 1

Contact/Location: VICTOR STACHONIAK - CAROKL

F: