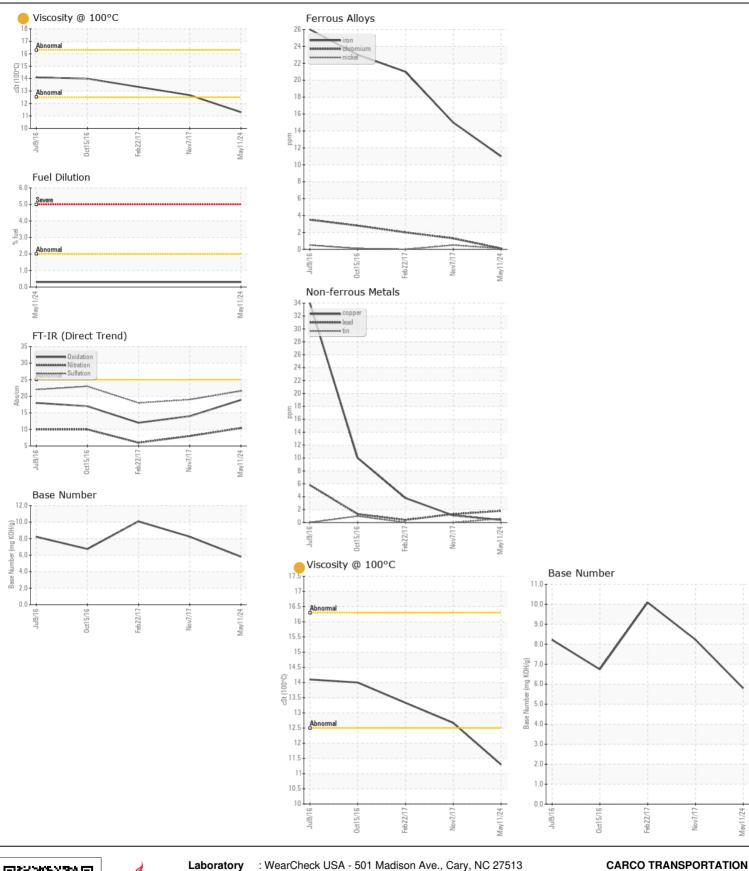
WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL ATTENTION

Machine Id

INTERNATIONAL 1641

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number		Client Info		WC0926107	WCMFB77847	WCMFB7797
	Sample Date		Client Info		11 May 2024	07 Nov 2017	22 Feb 201
	Machine Age	mls	Client Info		0	103920	75420
	Oil Age	mls	Client Info		5265	12218	18318
	Filter Age	mls	Client Info		5265	12218	18318
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ATTENTION	NORMAL	NORMA
WEAR	Iron	ppm	ASTM D5185m	>100	11	15	21
	Chromium	ppm	ASTM D5185m	>20	<1	1	2
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	<1	0
	Titanium	ppm	ASTM D5185m		0	<1	<1
	Silver	ppm	ASTM D5185m	>3	<1	<1	<1
	Aluminum	ppm	ASTM D5185m	>20	2	2	2
	Lead	ppm	ASTM D5185m	>40	2	1	<1
	Copper	ppm	ASTM D5185m	>330	<1	1	4
	Tin	ppm	ASTM D5185m	>15	<1	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	> 25	4	8	8
CONTAMINATION	Potassium	ppm	ASTM D5185m		1	3	0
Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil.	Fuel	%	ASTM D3103111		0.3	<1.0	<1.0
	Water	70	WC Method		NEG	NEG	NEG
	Glycol		WC Method	7 0.2	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.3	0.1	0.1
	Nitration	Abs/cm	*ASTM D7624		10.4	8.	6.
	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.6	19.	18.
	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	NORN
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>150	1	2	2
	Boron	ppm	ASTM D5185m		11	58	53
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		63	80	72
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		926	362	402
	Calcium	ppm	ASTM D5185m		1181	2068	2020
	Phosphorus	ppm	ASTM D5185m		1049	996	1000
	Zinc	ppm	ASTM D5185m		1303	1190	1254
	Sulfur	ppm	ASTM D5185m		3664	2998	2897
	Oxidation	Abs/.1mm	*ASTM D7414	>25	18.9	14.	12.
	Base Number (BN)	mg KOH/g	ASTM D2896		5.8	8.23	10.09
	Visc @ 100°C	cSt	ASTM D445		11.3	12.67	13.33







Laboratory Sample No.

Lab Number : 06190217 Unique Number : 11046969

: WC0926107

Received **Tested** Diagnosed

: 24 May 2024 : 31 May 2024

: 31 May 2024 - Sean Felton **Test Package**: FLEET (Additional Tests: FuelDilution, PercentFuel)

Contact: DENNIS CATES denniscates@carcotrans.com T: (800)967-0777

LITTLE ROCK, AR

US 72206

F:

3403 EAST ROOSEVELT ROAD

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)