



# **DIAGNOSIS**

### Recommendation

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. (Customer Sample Comment: FLUID CHANGED FILTER SERVICED)

All component wear rates are normal.

# Contamination

Sodium and/or potassium levels are high. Light fuel dilution occurring. Test for glycol is negative.

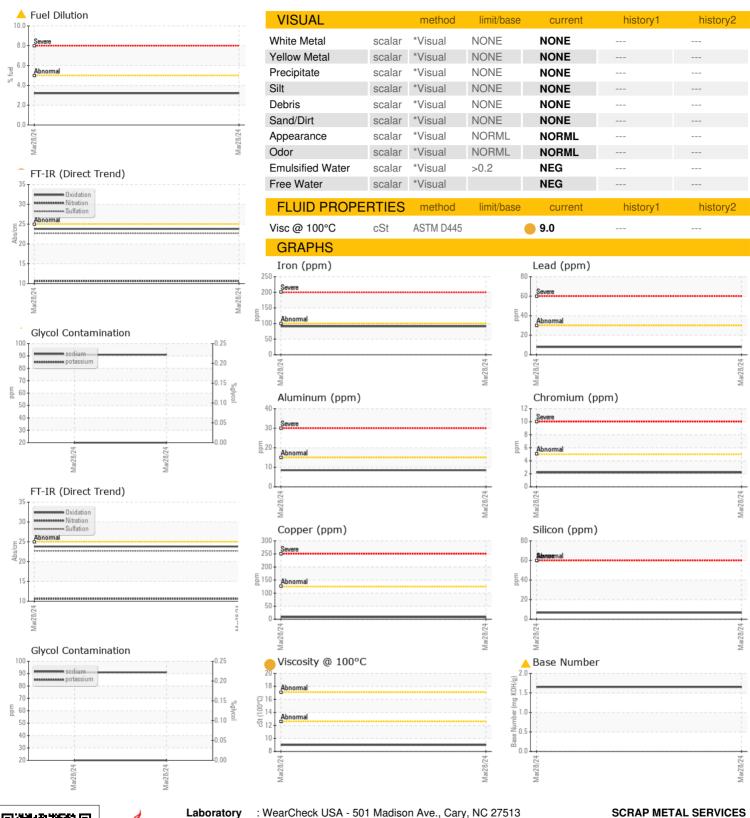
### Fluid Condition

The oil viscosity is lower than normal. The BN level is low. Confirm oil type.

40 ( GAL)		-		Mar2024	,	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0113781		
Sample Date		Client Info		28 Mar 2024		
Machine Age	hrs	Client Info		1838		
Oil Age	hrs	Client Info		1838		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	91		
Chromium	ppm	ASTM D5185m	>5	2		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>15	8		
Lead	ppm	ASTM D5185m	>30	8		
Copper	ppm	ASTM D5185m	>125	8		
Tin	ppm	ASTM D5185m	>5	1		
Vanadium Cadmium	ppm	ASTM D5185m ASTM D5185m		0		
	ppm		Proch the same			
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		18		
Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m		0 40		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m		246		
Calcium	ppm	ASTM D5185m		477		
Phosphorus	ppm	ASTM D5185m		623		
Zinc	ppm	ASTM D5185m		763		
Sulfur	ppm	ASTM D5185m		2484		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	7		
Sodium	ppm	ASTM D5185m		<u></u> 91		
Potassium	ppm	ASTM D5185m	>20	<u>^</u> 20		
Fuel	%	ASTM D3524	>5	<b>△</b> 3.2		
Glycol	%	*ASTM D2982		NEG		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7		
Nitration	Abs/cm	*ASTM D7624	>20	10.6		
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.7		
	AU3/.1111111					
FLUID DEGRAD			limit/base	current	history1	history2
					history1	history2



# **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

: PCA0113781 Lab Number : 06140140

Unique Number : 10964948

Received : 05 Apr 2024 **Tested** 

: 10 Apr 2024 Diagnosed : 10 Apr 2024 - Jonathan Hester Test Package : MOB 2 ( Additional Tests: FuelDilution, Glycol, PercentFuel )

To discuss this sample report, contact Customer Service at 1-800-237-1369.  $^st$  - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

EAST CHICAGO, IN US 46312 Contact: DAN GERTLER dgertler@scrapmetalservices.com

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415 E 151ST STREET

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: SCREAS [WUSCAR] 06140140 (Generated: 04/10/2024 08:38:41) Rev: 1