

OIL ANALYSIS REPORT

Area East Chicago Operations Machine Id LIEBHERR MH-12 (S/N LHZ0744ZZK014140) Component

Splitter Box

PETRO CANADA TRAXON 80W90 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

📥 Wear

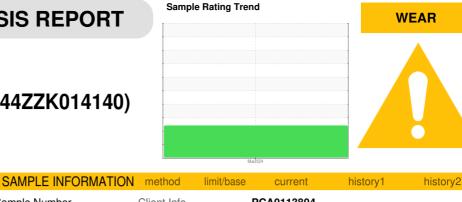
Gear wear is indicated. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

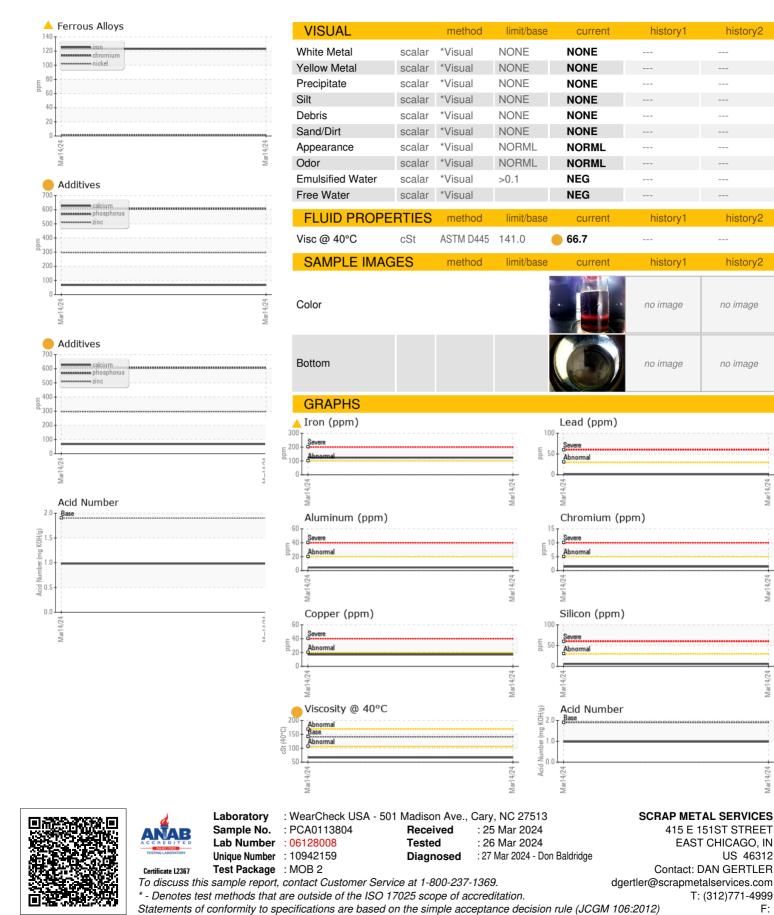
The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.



SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0113804		
Sample Date		Client Info		14 Mar 2024		
Machine Age	hrs	Client Info		51829		
Oil Age	hrs	Client Info		682		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	123		
Chromium	ppm	ASTM D5185m	>5	1		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	4		
Lead	ppm	ASTM D5185m	>30	1		
Copper	ppm	ASTM D5185m	>20	17		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	243	85		
Barium	ppm	ASTM D5185m	1	0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m	2	6		
Calcium	ppm	ASTM D5185m	6	67		
Phosphorus	ppm	ASTM D5185m	987	606		
Zinc	ppm	ASTM D5185m	1	297		
Sulfur	ppm	ASTM D5185m	21530	10027		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	6		
Sodium	ppm	ASTM D5185m	>25	3		
Potassium	ppm	ASTM D5185m	>20	3		
FLUID DEGRA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.9	0.98		



OIL ANALYSIS REPORT



US 46312

F:

T: (312)771-4999

4/24

history2

historv2

history2

no imade

no imade