

OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY

Machine Id HSBC WINDER CONE DRIVE

Component Gearbox Fluid GEAR OIL ISO 220 (4 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

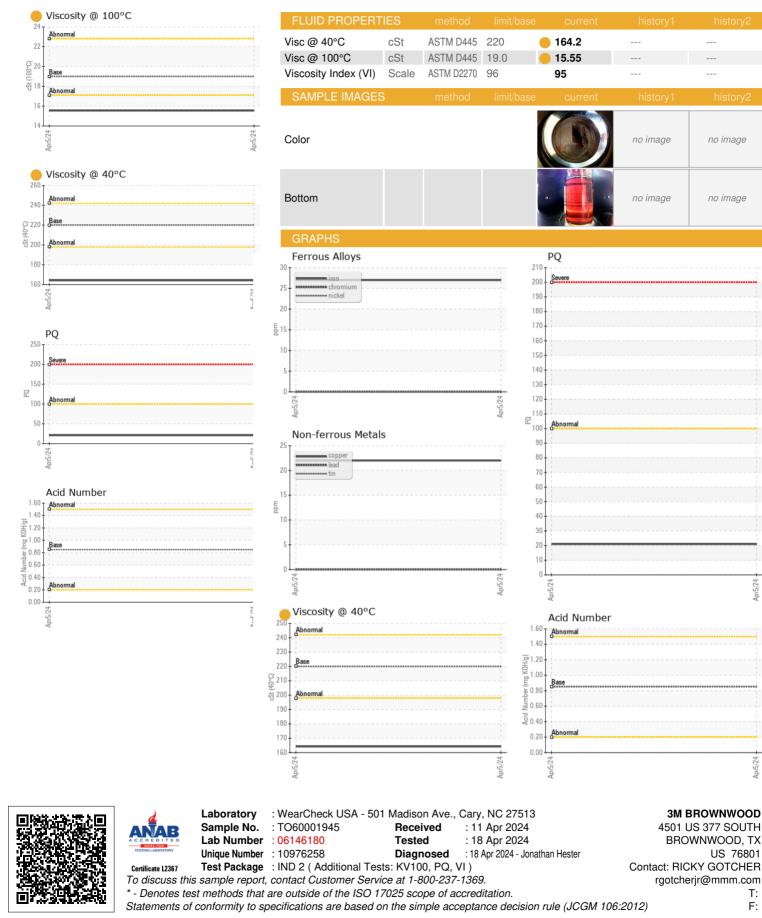
Fluid Condition

The oil viscosity is lower than normal. Confirm oil type.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60001945		
Sample Date		Client Info		05 Apr 2024		
Machine Age	yrs	Client Info		20		
Oil Age	yrs	Client Info		0		
Oil Changed	5	Client Info		Not Changd		
Sample Status				ATTENTION		
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		21		
Iron	ppm	ASTM D5185m	>200	27		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	0		
Lead	ppm	ASTM D5185m	>50	0		
Copper		ASTM D5185m	>200	22		
Tin	ppm	ASTM D5185m		0		
Vanadium	ppm	ASTM D5185m	>10			
	ppm			0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	3		
Barium	ppm	ASTM D5185m	15	0		
Molybdenum	ppm	ASTM D5185m	15	0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	50	0		
Calcium	ppm	ASTM D5185m	50	21		
Phosphorus	ppm	ASTM D5185m	350	219		
Zinc	ppm	ASTM D5185m	100	137		
Sulfur	ppm	ASTM D5185m	12500	6009		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	0		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG	RICKY GOTCI	HER3MBBRO



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Contact/Location: RICKY GOTCHER - 3MBBRO

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