

# **OIL ANALYSIS REPORT**

Sample Rating Trend

WEAR

MOTOR 1 DE Component

Drive End Bearing Fluid GEAR OIL ISO 220 (35 LTR)

# DIAGNOSIS

## Recommendation

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL ISO 220. Please confirm.

#### 🔺 Wear

Lead ppm levels are abnormal. Bearing wear is indicated.

#### Contamination

There is no indication of any contamination in the oil.

# Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0811976		
Sample Date		Client Info		17 May 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	7		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>20	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>20	<1		
Lead	ppm	ASTM D5185(m)	>20	<mark>/</mark> 71		
Copper	ppm	ASTM D5185(m)	>20	2		
Tin	ppm	ASTM D5185(m)	>20	8		
Antimony	ppm	ASTM D5185(m)		9		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	50	47		
Barium	ppm	ASTM D5185(m)	15	0		
Molybdenum	ppm	ASTM D5185(m)	15	0		
Manganese	ppm	ASTM D5185(m)		<1		
Magnesium	ppm	ASTM D5185(m)	50	<1		
Calcium	ppm	ASTM D5185(m)	50	<1		
Phosphorus	ppm	ASTM D5185(m)	350	264		
Zinc	ppm	ASTM D5185(m)	100	4		
Sulfur	ppm	ASTM D5185(m)	12500	10218		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	2		
Sodium	ppm	ASTM D5185(m)		0		
Potassium	ppm	ASTM D5185(m)	>20	0		

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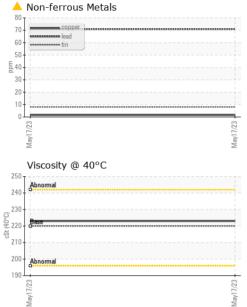
# **OIL ANALYSIS REPORT**

method

limit/base

current

VISUAL



	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*	>2	NEG		
	Free Water	scalar	Visual*		NEG		
	FLUID PROPER	IES	method	limit/base	current	history1	history
	Visc @ 40°C	cSt	ASTM D7279(n	n) 220	223		
	SAMPLE IMAGE	S	method	limit/base	current	history1	history
		-					, 
	Color					no image	no image
					0		
	Bottom				(200)	no image	no image
	Dottom					nonnage	no inage
bpm	2			Aay17/23			
	Non-ferrous Metal	s		May17/23			
mqq	Non-ferrous Metal	s		ez/1/veM			
mqq	Non-ferrous Metal	5		May17/23			
bpm	Non-ferrous Metal	S					
mqq	Non-ferrous Metal	S					
mqq	Non-ferrous Metal	s		May17/23			
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bpm brain and brain and b	Non-ferrous Metal	5 Appleby		EZILIVEW EZILIVEW	_ 5H9 <b>Wajax</b>		
udd 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1	Non-ferrous Metal	5 Appleby Recei	ved :	EZ/LI <sup>Jee</sup> W	_ 5H9 <b>Wajax</b>		ebbWood Dr
udd 2 2 2 2 2 2 2 2 1 1 2 1 2 2 2 2 2 2 2	Non-ferrous Metal	5 Appleby	ved : d :	EZ/LI <sup>JIE</sup> W EZ/LI <sup>JIE</sup> W Lington, ON L7L 18 May 2023 18 May 2023	-		ebbWood Dr Sudbury,
udd 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1	Non-ferrous Metal	5 Appleby Recei Teste	ved : d :	EZ/LI <sup>Jee</sup> W	-	1108 We	

To discuss this sample repor Test denoted (\*) outside scop Validity of results and interpretation are based on the sample and information as supplied.

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CALA

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history2

history1